

**Mewbourne Oil Co
Crazy Wolf 1-2 B2CD Fed Com #1H
NAPP2122360674**

Final Remediation Report

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Mewbourne Oil Company	OGRID	14744
Contact Name	Connor Walker	Contact Telephone	806-202-5281
Contact email	cwalker@mewbourne.com	Incident #	(assigned by OCD)
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

Location of Release Source

Latitude 32.693028 _____ Longitude -103.719568 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Crazy Wolf 1/2 B2CD Fed Com #1H	Site Type Production Facility
Date Release Discovered 8/3/2021	API# (if applicable) 30-025-42793

Unit Letter	Section	Township	Range	County
B	1	19S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 10	Volume Recovered (bbls) 10
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 75	Volume Recovered (bbls) 247 (mixed w/rain water)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release


Dump valves failed on a heater treating causing oil and water to be sent to flare line. Note: The 247 bbls of water that were recovered were a mixture of produced water and rain water.

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release resulted in a fire.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given by Robbie Runnels to Cristina Eads on 8/3/2021 at 2:41 P.M. MDT via email.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Connor Walker</u>	Title: <u>Sr. Engineer</u>
Signature: 	Date: <u>8/13/2021</u>
email: <u>cwalker@mewbourne.com</u>	Telephone: <u>806-202-5281</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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Printed Name: Connor Walker Title: Sr. EngineerSignature:  Date: 8/13/2021email: cwalker@mewbourne.com Telephone: 806-202-5281**OCD Only**

Received by: _____ Date: _____

Incident ID	
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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 2/14/2022

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Chad Hensley Date: 03/10/2022

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

Closure Approved by:  Date: 03/10/2022

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Introduction

This report presents the results of remediation activities at the Crazy wolf 1-2 B2CD Fed Com #1H. On behalf of Mewbourne Oil Company (Mewbourne), Diamondback Disposal Services, Inc (Diamondback) was tasked with the cleanup and remediation of release NAPP2122360674. The release occurred in Unit Letter C, Section 1, Township 19S, Range 32E at coordinates 32.693028, -103.719568. The remediation was performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) and 19.15.29 of the New Mexico Administrative Code (NMAC) effective date August 14, 2018.

Overview

The spill site is located completely on an active production pad built on BLM lease land. Approximately 75 barrels of produced water was lost with 247 barrels bbls being recovered, produced water was mixed with rainwater resulting in a negative loss. Approximately 10 bbls of crude oil was lost with approximately 10 bbls being recovered. All fluid was lost due to a dump valve failure on a heater treater (sending oil and water to flare) which resulted in a fire.

Regulatory Guidelines

Upon review of the site characteristics and a search of a groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE), a survey was conducted to determine the average depth to groundwater within a one (1) mile radius of the release site and identify any registered water wells within a ½ mile radius of the release site. No wells were identified as part of the NMOSE database search. Therefore, Table 1 Closure Criteria for ground water depth of less than 50 feet will be utilized. The Recommended Remediation Action Levels (RRAL) determined by the latest NMOCD guidelines (19.15.29 NMAC) are as follows: 600 mg/kg Chloride, 100 mg/kg GRO+DRO+MRO, 50 mg/kg BTEX, 10mg/kg Benzene.

Remediation Activities

Between the dates of November 29, 2021, and January 3, 2022, Diamondback excavated approximately 1,248 cubic yards (cy) of impacted material, loaded, and transported to R-360 Halfway Facility for disposal. Depth of excavation ranges from approximately 1-foot bgs to 5 feet bgs. Between the dates of December 4, 2021, and January 13, 2021, the site was sampled to determine if RRAL's had been met. Five-point composite samples were collected, every 200 square feet of side wall and 200 square feet of floor area, packaged and delivered to a third-party lab, with chain of custody for testing as per regulatory standards. (See attached analytical). Upon review of analytical, all wall samples prove to be below Table 1 RRAL's for site closure. At locations where floor soil sample results exceeded 600 mg/kg (NMOCD Table 1 Closure Criteria for <50' groundwater), these areas were over excavated and resampled. Being that Table 1 Closure Criteria for groundwater <50' bgs, all restoration and reclamation limits have been met.

On January 3, 2022, backfilling began and ran thru January 20, 2022. Approximately 1,068 cy of Caliche was obtained from a local BLM pit. Backfill was placed in a manner to promote compaction for ongoing production activities. All excavated areas were within an active production pad, therefore seeding will not be required until final abatement of production pad.

Conclusions

Upon review of all analytical provided by the third-party independent lab, results indicated that all recommended remediation action levels and restoration/reclamation criteria were met for all excavated areas. On behalf of Mewbourne Oil Company, we respectfully request the NMOCD grant closure approval for the Crazy Wolf 1-2 B2CD Fed Com #1H release.

TABLE 1
MEWBOURNE OIL COMPANY
CRAZY WOLF 1-2 B2CD FED COM #1H

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	SAMPLE LOCATION	LAB ID NUMBER	SAMPLE DEPHT	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/ kg	ETHYL- BENZEN (mg/ kg)	TOTAL XYLENES mg/kg	TOTAL BTEX (mg/kg)	GRO C 6-C 10 (mg/kg)	DRO C 6-C 10 (mg/kg)	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
2	W-1 WALL	H213497-01	0-1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
3	W-2 WALL	H213609-01	0-1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
4	W-3 WALL	H213609-02	0-1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.0	<10.0	20.0	336
5	W-4 WALL	H213609-03	0-4'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
6	W-5 WALL	H213609-04	1-4'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.0	<10.0	20.0	352
7	W-6 WALL	H213609-05	0-1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.9	<10.0	16.9	528
8	W-7WALL	H213609-06	0-1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
9	B- 1 FLOOR	H213497-02	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
10	B- 2 FLOOR	H213497-03	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
11	B- 3 FLOOR	H213497-04	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
12	B- 4 FLOOR	H213497-05	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
13	B- 5 FLOOR	H213497-06	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
14	B- 6 FLOOR	H213497-07	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
15	B- 7 FLOOR	H213497-08	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
16	B- 8 FLOOR	H213497-09	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
17	B- 9 FLOOR	H213497-10	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
18	B- 10 FLOOR	H213497-11	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
19	B- 11 FLOOR	H213497-12	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
20	B- 12 FLOOR	H213497-13	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
21	B- 13 FLOOR	H213497-14	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
22	B- 14 FLOOR	H213497-15	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
23	B- 15 FLOOR	H213497-16	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
24	B- 16 FLOOR	H213497-17	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
25	B- 17 FLOOR	H213497-18	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
26	B- 18 FLOOR	H213497-19	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
27	B- 19 FLOOR	H213497-20	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.6
28	B- 20 FLOOR	H213497-21	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
29	B- 21 FLOOR	H213497-22	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
30	B- 21 FLOOR	H213497-22	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
31	B- 22 FLOOR	H213497-23	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
32	B- 23 FLOOR	H213497-24	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
33	B- 24 FLOOR	H213497-25	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0


TABLE 1
MEWBOURNE OIL COMPANY
CRAZY WOLF 1-2 B2CD FED COM #1H


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
34	B- 25 FLOOR	H213497-26	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
35	B- 26 FLOOR	H213497-27	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
36	B- 27 FLOOR	H213497-28	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
37	B- 28 FLOOR	H213497-29	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
38	B- 29 FLOOR	H213497-30	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
39	B- 30 FLOOR	H213497-31	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
40	B- 31 FLOOR	H213497-32	1'	12-4-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96
41	B- 32 FLOOR	H213610-01	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	704
	B- 32 FLOOR	H213714-01	2'	12-23-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
42	B-33 FLOOR	H213610-02	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
43	B-34 FLOOR	H213610-03	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496.0
44	B-35 FLOOR	H213610-03	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560.0
45	B- 36 FLOOR	H213610-05	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	688
	B- 36 FLOOR	H213714-02	2'	12-23-21	COMP	<0.050	0.113	<0.050	<0.150	<0.300	<10.0	18.8	10.6	29.4	80.0
46	B- 37 FLOOR	H213610-06	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
47	B- 38 FLOOR	H213610-07	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	656
	B- 38 FLOOR	H213714-03	2'	12-23-21	COMP	<0.050	0.085	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
48	B- 39 FLOOR	H213610-08	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	896
	B- 39 FLOOR	H213714-04	2'	12-23-21	COMP	<0.050	<0.080	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
49	B-40 FLOOR	H213610-09	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
50	B-41 FLOOR	H213610-10	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
51	B-42 FLOOR	H213610-11	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
52	B-43 FLOOR	H213610-12	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
53	B-44 FLOOR	H213610-13	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
54	B- 45 FLOOR	H213610-14	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	720
	B- 45 FLOOR	H213714-05	2'	12-23-21	COMP	<0.050	<0.283	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96
55	B- 46 FLOOR	H213610-15	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	848
	B- 46 FLOOR	H213714-06	2'	12-23-21	COMP	<0.050	<0.357	<0.050	<0.150	<0.357	<10.0	<10.0	<10.0	<10.0	80.0
56	B-47 FLOOR	H213610-16	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
57	B-48 FLOOR	H213610-17	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
58	B-49 FLOOR	H213610-18	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
59	B-50 FLOOR	H213610-19	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
60	B-51 FLOOR	H213610-20	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
61	B- 52 FLOOR	H213610-21	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	624
	B- 52 FLOOR	H213714-07	2'	12-23-21	COMP	<0.050	<0.074	<0.050	<0.150	<0.074	<10.0	<10.0	<10.0	<10.0	32.0
62	B-53 FLOOR	H213610-22	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
63	B-54 FLOOR	H213610-23	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
64	B-55 FLOOR	H213610-24	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304


TABLE 1
MEWBOURNE OIL COMPANY
CRAZY WOLF 1-2 B2CD FED COM #1H


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
65	B- 56 FLOOR B- 56 FLOOR	H213610-25 H213714-08	1' 2'	12-14-21 12-23-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	688 32.0
66	B-57 FLOOR	H213610-26	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
67	B-58 FLOOR	H213610-27	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
68	B-59 FLOOR	H213610-28	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
69	B-60 FLOOR	H213610-29	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
70	B- 61 FLOOR B- 61 FLOOR	H213610-30 H213714-09	1' 2'	12-14-21 12-23-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	608 96.0
71	B-62 FLOOR	H213610-31	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560
72	B-63 FLOOR	H213610-32	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
73	B-64 FLOOR	H213610-33	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
74	B- 65 FLOOR	H213610-34	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
75	B- 66 FLOOR B- 66 FLOOR	H213610-35 H220159-01	1' 2'	12-14-21 1-13-22	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 12.4	<10.0 <10.0	<10.0 12.4	816 64.0
76	B- 67 FLOOR	H213610-36	1'	12-14-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	544
77	B- 68 FLOOR B- 68 FLOOR	H213610-37 H213714-10	4' 5'	12-14-21 12-23-21	COMP COMP	<0.050 <0.050	0.069 0.069	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	656 80.0
78	B-69 FLOOR B-69 FLOOR	H213610-38 H213714-11	4' 5	12-14-21 12-23-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	896 80.0
79	B- 70 FLOOR B- 70 FLOOR	H213610-39 H213714-12	4' 5'	12-14-21 12-23-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	912 64.0

Legend

 Crazy Wolf 1-2 B2CD Fed Com #1H

 Excavation

 Wall Section Line

 Wall Sections



Wall Section Map
Crazy Wolf 1-2 B2CD Fed Com #1H
Mewbourne Oil Co.
Eddy County, New Mexico



Diamondback Disposal Services, Inc.
P.O Box 2491
Hobbs, NM 88241
575-392-9996

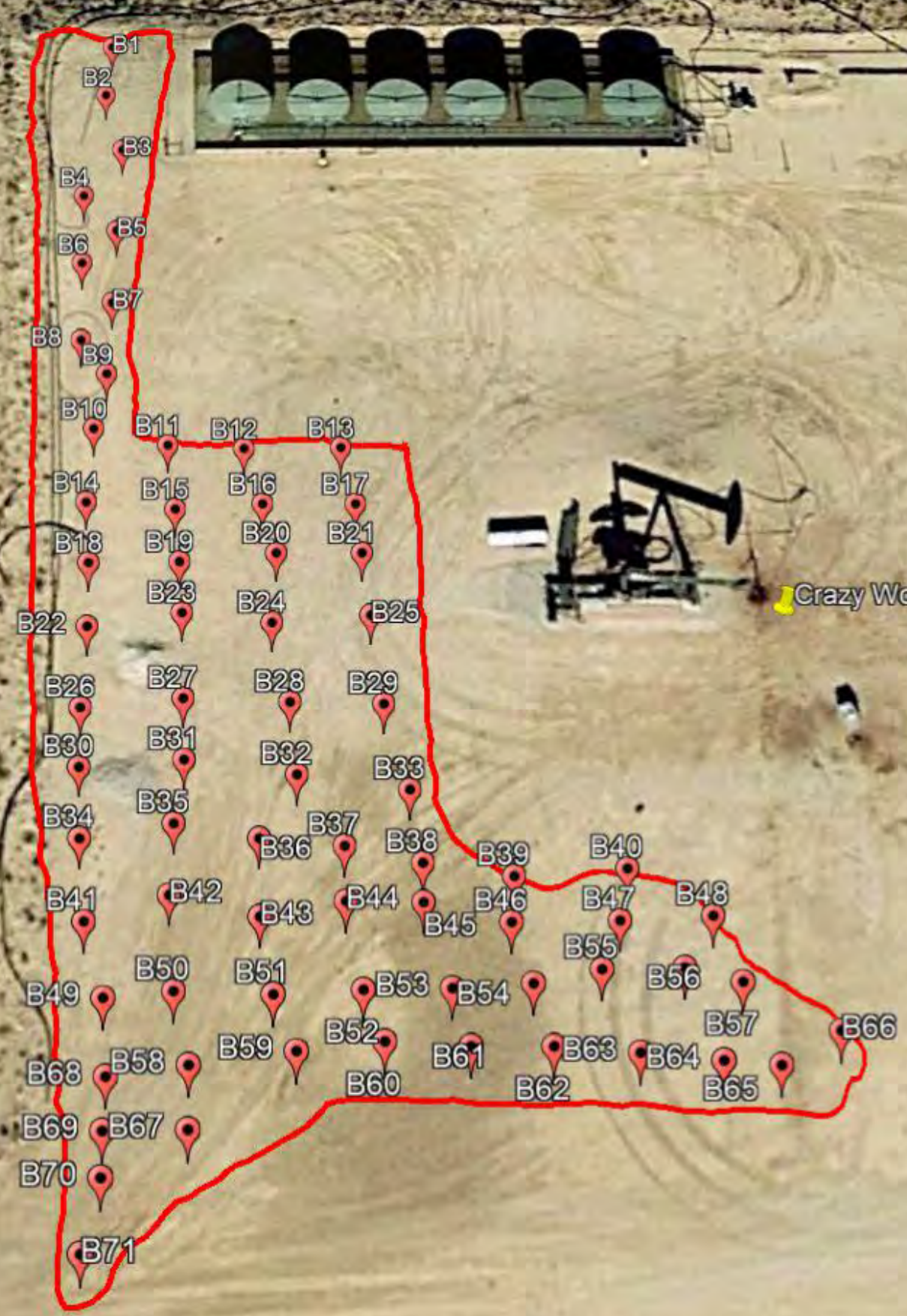
Legend

 Crazy Wolf 1-2 B2CD Fed Com #1H

 Excavation

 Floor Sections

Google Earth



Floor Sections Map
Crazy Wolf 1-2 B2CD Fed Com #1H
Mewbourne Oil Co.
Eddy County, New Mexico



Diamondback Disposal Services, Inc.
P.O Box 2491
Hobbs, NM 88241
575-392-9996



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						
		(quarters are smallest to largest)						(NAD83 UTM in meters)
Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y	
	CP 01163 POD3		01	19S	32E	619904	3618078	

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

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

2/3/22 1:00 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
	CP 01163 POD1				01	19S	32E	620229	3617878

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

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

2/3/22 1:01 PM

POINT OF DIVERSION SUMMARY

OSE POD Location Map



12/16/2021, 9:20:15 AM

GIS WATERS PODs

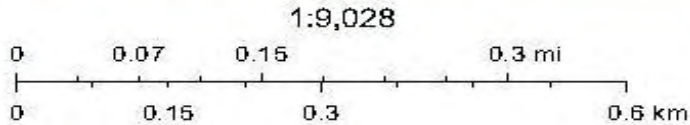
- Pending
- OSE District Boundary

Water Right Regulations

Closure Area

New Mexico State Trust Lands

- Both Estates
- Site Boundaries



Esri, HERE, IPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, IPC, Maxar

OSE POD Locations Web Map
These maps are distributed "as is" without warranty of any kind.

OSE POD Location Map
Crazy Wolf 1-2 B2CD Fed Com #1H
Mewbourne Oil Co.
Eddy County, New Mexico



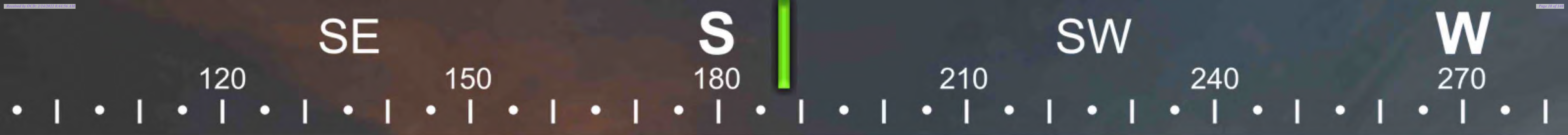
Diamondback Disposal Services, Inc.
P.O. Box 2491
Hobbs, NM 88241
575-392-9996



☼ 159°S (T) ● 32°41'35"N, 103°43'11"W ±13ft ▲ 3699ft



14 Dec 2021, 16:53:09



☀ 188°S (T) ● 32°41'35"N, 103°43'11"W ±13ft ▲ 3700ft



14 Dec 2021, 16:53:12



☀ 348°N (T) ● 32°41'35"N, 103°43'12"W ±13ft ▲ 3698ft



14 Dec 2021, 16:53:23



☼ 300°NW (T) ● 32°41'36"N, 103°43'12"W ±13ft ▲ 3698ft



14 Dec 2021, 16:53:39



☼ 300°NW (T) ● 32°41'35"N, 103°43'12"W ±13ft ▲ 3700ft



14 Dec 2021, 16:53:40



E 90 SE 120 150 180 S 210 SW 240

☀ 166°S (T) ● 32°41'36"N, 103°43'12"W ±13ft ▲ 3699ft

14 Dec 2021, 16:53:43



NW N NE E
300 330 0 30 60 90 120
☀ 30°NE (T) ● 32°41'34"N, 103°43'12"W ±13ft ▲ 3699ft

14 Dec 2021, 16:54:31



NW

N

NE

E

300

330

0

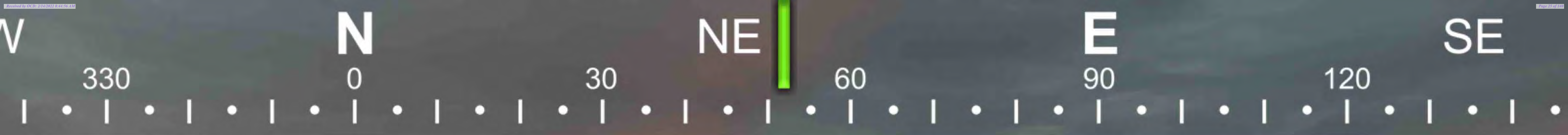
30

60

90

☉ 8°N (T) ☉ 32°41'33"N, 103°43'12"W ±13ft ▲ 3706ft

14 Dec 2021, 16:54:54



☀ 52°NE (T) ● 32°41'33"N, 103°43'12"W ±13ft ▲ 3699ft



14 Dec 2021, 16:55:00



☉ 253°W (T) ☉ 32°41'33"N, 103°43'11"W ±13ft ▲ 3702ft

14 Dec 2021, 16:55:15



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

December 09, 2021

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF #001H

Enclosed are the results of analyses for samples received by the laboratory on 12/06/21 8:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 1 BGS 0-1' (H213497-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22	
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23	
Total BTX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/08/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.1 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 1 @ 1' (H213497-02)

BTX 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	188	94.0	200	14.9		
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	201	100	200	6.84		
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND						

Surrogate: 1-Chlorooctane 94.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 2 @ 1' (H213497-03)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22	
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23	
Total BTX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 3 @ 1' (H213497-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 4 @ 1' (H213497-05)

BTEx 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTEX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	188	94.0	200	14.9		
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	201	100	200	6.84		
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND						

Surrogate: 1-Chlorooctane 94.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 5 @ 1' (H213497-06)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/08/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 6 @ 1' (H213497-07)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 7 @ 1' (H213497-08)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.9 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 8 @ 1' (H213497-09)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 9 @ 1' (H213497-10)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 10 @ 1' (H213497-11)

BTEx 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTEX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	188	94.0	200	14.9		
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	201	100	200	6.84		
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND						

Surrogate: 1-Chlorooctane 84.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 11 @ 1' (H213497-12)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23		
Total BTEX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/08/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	188	94.0	200	14.9		
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	201	100	200	6.84		
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND						

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 12 @ 1' (H213497-13)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51	QM-07, QR-03
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34	QR-03
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556	QR-03
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617	QR-03
Total BTX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/08/2021	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.0 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 13 @ 1' (H213497-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617	
Total BTEX	<0.300	0.300	12/08/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.5 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 14 @ 1' (H213497-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.5 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 15 @ 1' (H213497-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTX	<0.300	0.300	12/08/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.0 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 16 @ 1' (H213497-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 17 @ 1' (H213497-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 18 @ 1' (H213497-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEX	<0.300	0.300	12/08/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 19 @ 1' (H213497-20)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617	
Total BTX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/08/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/08/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 20 @ 1' (H213497-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 21 @ 1' (H213497-22)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.4 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 22 @ 1' (H213497-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
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 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 23 @ 1' (H213497-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 24 @ 1' (H213497-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 25 @ 1' (H213497-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 26 @ 1' (H213497-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.6 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 27 @ 1' (H213497-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 28 @ 1' (H213497-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 29 @ 1' (H213497-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTEx	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 30 @ 1' (H213497-31)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51		
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34		
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556		
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617		
Total BTX	<0.300	0.300	12/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/06/2021	Sampling Date:	12/04/2021
Reported:	12/09/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 31 @ 1' (H213497-32)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.90	95.2	2.00	4.51	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.2	2.00	2.34	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	2.03	102	2.00	0.556	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	6.19	103	6.00	0.617	
Total BTX	<0.300	0.300	12/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	210	105	200	0.769	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	230	115	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diamond Back</u> Project Manager: <u>Justin R.</u> Address: City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: Fax #: Project #: Project Owner: Project Name: Project Location: <u>Crazy wolf #00114</u> Sampler Name: <u>Joe Quischoff</u>		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST							
FOR LAB USE ONLY Lab I.D. Sample I.D.		(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE/ COOL OTHER :	MATRIX PRESERV SAMPLING	DATE TIME	Ext TPN RTX						
<u>H213497</u> <u>11 B10 01'</u> <u>12 B11 01'</u> <u>13 B12 01'</u> <u>14 B13 01'</u> <u>15 B14 01'</u> <u>16 B15 01'</u> <u>17 B16 01'</u> <u>18 B17 01'</u> <u>19 B18 01'</u> <u>20 B19 01'</u>		<u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u>	<u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u>	<u>12-4</u> <u>10:00</u> <u>10:02</u> <u>10:30</u> <u>10:32</u> <u>10:34</u> <u>10:36</u> <u>10:38</u> <u>10:54</u> <u>10:56</u> <u>10:58</u>	<u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u>						
Relinquished By: <u>Joe Quischoff</u> Date: <u>12-4</u> Time: <u>12:40</u> Received By: <u>Justin R.</u> Date: <u>12-6-21</u> Time: <u>8:40</u> Observed Temp. °C: <u>-1.0</u> Corrected Temp. °C: <u>-11.5</u> Sample Condition: <u>Intact</u> Thermometer ID #113 Correction Factor -0.5°C Turnaround Time: <u>Standard</u> Bacteria (only) Sample Condition: <u>Observed Temp. °C</u> Corrected Temp. °C 		REMARKS: <u>Joe Quischoff</u> <u>Justin R.</u> Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:									



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamondwell Project Manager: Justin R. Address: City: Hobbs State: NM Zip: 88340 Phone #: Fax #: Project #: Project Owner: Project Name: Project Location: Greasy Wolf #0014 Sampler Name: Joe Quisenberry FOR LAB USE ONLY				P.O. #: Company: Newbougenc Attn: Robbie Runnels Address: City: State: Zip: Phone #: Fax #:			
Lab I.D. Sample I.D.				BILL TO			
Relinquished By: Joe Runnels Date: 12-4 Time:				Received By: Date: Time:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C Corrected Temp. °C			
Reinquinished By: Date: Time:				Received By: Date: Time:			
Time: 12:40 Observed Temp. °C -11.0 Corrected Temp. °C -11.5				Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No			
Turnaround Time: Standard Rush				Bacteria (only) Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Corrected Temp. °C			
REMARKS: Joe Justin R.				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	CL	Ext TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
21	B20 01'		1							12-4	14:00	X	X	X
23	B21 01'										11:02			
23	B22 01'										11:42			
24	B23 01'										11:44			
25	B24 01'										11:46			
26	B25 01'										11:48			
27	B26 01'										11:50			
28	B27 01'										12:08			
29	B28 01'										12:00			
30	B29 01'										12:12	X	X	X



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				BILL TO				ANALYSIS REQUEST			
Project Manager:				P.O. #:							
Address:				Company:							
City:				Attn:							
State:				Address:							
Zip:				City:							
Phone #:				State:							
Fax #:				Zip:							
Project #:				Project Owner:							
Project Name:				Phone #:							
Project Location:				Fax #:							
Sampler Name:				FOR LAB USE ONLY							
Lab I.D.				Sample I.D.							
H21347				B3021							
31				32							
B3021				B3021							
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 20, 2021

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF #001H

Enclosed are the results of analyses for samples received by the laboratory on 12/15/21 8:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 32 @ 1' (H213610-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.02	101	2.00	2.33		
Toluene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	5.76		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.18	109	2.00	6.71		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	7.12	119	6.00	6.52		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	12/16/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 73.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 33 @ 1' (H213610-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.02	101	2.00	2.33		
Toluene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	5.76		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.18	109	2.00	6.71		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	7.12	119	6.00	6.52		
Total BTX	<0.300	0.300	12/16/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 71.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 34 @ 1' (H213610-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.02	101	2.00	2.33		
Toluene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	5.76		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.18	109	2.00	6.71		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	7.12	119	6.00	6.52		
Total BTEx	<0.300	0.300	12/16/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 76.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 35 @ 1' (H213610-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.02	101	2.00	2.33		
Toluene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	5.76		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.18	109	2.00	6.71		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	7.12	119	6.00	6.52		
Total BTEx	<0.300	0.300	12/16/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 68.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 36 @ 1' (H213610-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.02	101	2.00	2.33		
Toluene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	5.76		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.18	109	2.00	6.71		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	7.12	119	6.00	6.52		
Total BTX	<0.300	0.300	12/16/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 65.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 37 @ 1' (H213610-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.02	101	2.00	2.33		
Toluene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	5.76		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.18	109	2.00	6.71		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	7.12	119	6.00	6.52		
Total BTEx	<0.300	0.300	12/16/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 64.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 38 @ 1' (H213610-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.02	101	2.00	2.33	
Toluene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	5.76	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.18	109	2.00	6.71	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	7.12	119	6.00	6.52	
Total BTEx	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	12/16/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 68.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.8 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 39 @ 1' (H213610-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.02	101	2.00	2.33	
Toluene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	5.76	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.18	109	2.00	6.71	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	7.12	119	6.00	6.52	
Total BTEx	<0.300	0.300	12/16/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 61.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.4 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 40 @ 1' (H213610-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.02	101	2.00	2.33		
Toluene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	5.76		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.18	109	2.00	6.71		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	7.12	119	6.00	6.52		
Total BTEx	<0.300	0.300	12/16/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 71.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.4 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 41 @ 1' (H213610-10)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32	
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06	
Total BTX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/16/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 71.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.4 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 42 @ 1' (H213610-11)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32	
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06	
Total BTX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 70.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.8 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 43 @ 1' (H213610-12)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32	
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06	
Total BTX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 71.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.5 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 44 @ 1' (H213610-13)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32	
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06	
Total BTX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 67.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.1 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 45 @ 1' (H213610-14)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	12/16/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 66.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.7 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 46 @ 1' (H213610-15)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32	
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06	
Total BTX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	208	104	200	0.0899	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	211	106	200	0.697	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.3 % 38.9-142

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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 47 @ 1' (H213610-16)

BTEx 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	208	104	200	0.0899		
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	211	106	200	0.697		
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND						

Surrogate: 1-Chlorooctane 80.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 48 @ 1' (H213610-17)

BTX 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	208	104	200	0.0899		
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	211	106	200	0.697		
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND						

Surrogate: 1-Chlorooctane 78.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.1 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 49 @ 1' (H213610-18)

BTEx 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	208	104	200	0.0899		
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	211	106	200	0.697		
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND						

Surrogate: 1-Chlorooctane 77.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.7 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 50 @ 1' (H213610-19)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	208	104	200	0.0899	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	211	106	200	0.697	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.2 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 51 @ 1' (H213610-20)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	208	104	200	0.0899	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	211	106	200	0.697	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.7 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 52 @ 1' (H213610-21)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	12/16/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	208	104	200	0.0899	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	211	106	200	0.697	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.1 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 53 @ 1' (H213610-22)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	208	104	200	0.0899	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	211	106	200	0.697	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.3 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 54 @ 1' (H213610-23)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	208	104	200	0.0899	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	211	106	200	0.697	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.4 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 55 @ 1' (H213610-24)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.5 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 56 @ 1' (H213610-25)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32	
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06	
Total BTEX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.9 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 57 @ 1' (H213610-26)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32	
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06	
Total BTX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
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 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 58 @ 1' (H213610-27)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32	
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06	
Total BTX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 59 @ 1' (H213610-28)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 60 @ 1' (H213610-29)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.07	103	2.00	1.32		
Toluene*	<0.050	0.050	12/16/2021	ND	1.96	98.1	2.00	0.496		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.98	99.0	2.00	1.09		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.13	102	6.00	1.06		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/17/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/17/2021	ND					

Surrogate: 1-Chlorooctane 104 % 62-130

Surrogate: 1-Chlorooctadecane 134 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 61 @ 1' (H213610-30)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTX	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 62 @ 1' (H213610-31)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTX	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 126 % 44.3-133

Surrogate: 1-Chlorooctadecane 119 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 63 @ 1' (H213610-32)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTEX	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 64 @ 1' (H213610-33)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTX	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 65 @ 1' (H213610-34)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTEX	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.5 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 66 @ 1' (H213610-35)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTX	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	12/16/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 67 @ 1' (H213610-36)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTEx	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 92.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.2 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 68 @ 4' (H213610-37)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTEx	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 69 @ 4' (H213610-38)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTEX	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.1 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 70 @ 4' (H213610-39)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTEx	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.6 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/15/2021	Sampling Date:	12/14/2021
Reported:	12/20/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 71 @ 4' (H213610-40)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	2.11	105	2.00	2.62	
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38	
Total BTX	<0.300	0.300	12/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/16/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	221	110	200	14.8	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diamond Back</u>		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: <u>Justin R.</u>											
Address:		City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Company:		Attn:					
Phone #:		Fax #:		Address:		City:		State:		Zip:	
Project #:		Project Owner:		Phone #:		Fax #:					
Project Location: <u>Crazy Wolf #001H</u>		Sample Name: <u>Jan. Diamond Back</u>		FOR LAB USE ONLY							
Lab I.D. <u>H213610</u>		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER	
				MATRIX		SOIL		OIL		SLUDGE	
				OTHER:		ACID/BASE:		ICE / COOL		OTHER:	
				DATE		TIME					
1 <u>BSA @ 1'</u>				12-14		3:07		X		X	
2 <u>BS3 @ 1'</u>						3:09		X		X	
3 <u>BS4 @ 1'</u>						3:11					
4 <u>BS5 @ 1'</u>						3:13					
5 <u>BS6 @ 1'</u>						3:15					
6 <u>BS7 @ 1'</u>						3:17					
7 <u>BS8 @ 1'</u>						3:19					
8 <u>BS39 @ 1'</u>						3:21					
9 <u>BS40 @ 1'</u>						3:23					
10 <u>BS41 @ 1'</u>						3:25					

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Relinquished By: <u>Justin R.</u>	Date: <u>12-15-21</u>	Received By: <u>Janice Alabazore</u>	Time: <u>0850</u>
Relinquished By:	Date:	Received By:	Time:

Delivered By: (Circle One) Observed Temp. °C -9.3 Corrected Temp. °C -9.8 Sample Condition Cool Intact Yes Yes CHECKED BY: (Initials) AD

Sampler - UPS - Bus - Other: FORNIP006 R 3.2 10/07/21

Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Yes Yes Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS:



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diamond Back</u>		P.O. #:		BILL TO				ANALYSIS REQUEST												
Project Manager: <u>Justin R.</u>		Company:																		
Address:		Attn:																		
City: <u>Hobbs</u>		State: <u>NM</u>		Zip: <u>88240</u>																
Phone #:		Fax #:		Address:																
Project #:		Project Owner:		City:																
Project Name:		State:		Zip:																
Project Location: <u>Crazy wolf #001H</u>		Phone #:																		
Sampler Name: <u>Justin R.</u>		Fax #:																		
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV		SAMPLING												
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME						
<u>H213610</u>																				
	<u>11 B48 @ 1'</u>																			
	<u>12 B48 @ 1'</u>																			
	<u>13 B44 @ 1'</u>																			
	<u>14 B45 @ 1'</u>																			
	<u>15 B46 @ 1'</u>																			
	<u>16 B47 @ 1'</u>																			
	<u>17 B48 @ 1'</u>																			
	<u>18 B49 @ 1'</u>																			
	<u>19 B50 @ 1'</u>																			
	<u>20 B51 @ 1'</u>																			

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Relinquished By: Justin R. Date: 2-13-22 Received By: Justin R.

Relinquished By: Justin R. Date: 2-13-22 Received By: Justin R.

Delivered By: (Circle One) Observed Temp. °C: -9.3 Sample Condition: Cool CHECKED BY: (Initials) VR

Sampler - UPS - Bus - Other: Corrected Temp. °C: -9.8 ☐ Yes ☐ No ☐ Yes ☐ No

Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) ☐ Sample Condition ☐ Observed Temp. °C ☐ Corrected Temp. °C

Thermometer ID #113 Correction Factor -0.5°C

Verbal Result: ☐ Yes ☐ No Add'l Phone #: Justin R / 500

REMARKS: Justin R / 500

All Results are emailed. Please provide Email address:

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diamond Back</u>		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: <u>Justin R.</u>		Company:									
Address:		Attn:									
City: <u>Hobbs</u>		Address:									
Phone #:		City:									
Project #:		State:									
Project Name:		Zip:									
Project Location: <u>Cevey Upole #001H</u>		Phone #:									
Sample Name: <u>See Analysis</u>		Fax #:									
FOR LAB USE ONLY		PRESERV		SAMPLING							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER	
				SOIL		OIL		SLUDGE		OTHER:	
				ACID/BASE:		ICE/COOL		OTHER:			
				DATE		TIME					
<u>H213610</u>		<u>30</u>		<u>12-14</u>		<u>4:24</u>		<u>X</u>		<u>X</u>	
<u>31</u>		<u>352 01'</u>		<u>12-14</u>		<u>4:24</u>		<u>X</u>		<u>X</u>	
<u>32</u>		<u>353 01'</u>		<u>12-14</u>		<u>4:24</u>		<u>X</u>		<u>X</u>	
<u>33</u>		<u>354 01'</u>		<u>12-14</u>		<u>4:24</u>		<u>X</u>		<u>X</u>	
<u>34</u>		<u>355 01'</u>		<u>12-14</u>		<u>4:30</u>		<u>X</u>		<u>X</u>	
<u>35</u>		<u>356 01'</u>		<u>12-14</u>		<u>4:32</u>		<u>X</u>		<u>X</u>	
<u>36</u>		<u>357 01'</u>		<u>12-14</u>		<u>4:34</u>		<u>X</u>		<u>X</u>	
<u>37</u>		<u>358 01'</u>		<u>12-14</u>		<u>4:36</u>		<u>X</u>		<u>X</u>	
<u>38</u>		<u>359 01'</u>		<u>12-14</u>		<u>4:38</u>		<u>X</u>		<u>X</u>	
<u>39</u>		<u>360 01'</u>		<u>12-14</u>		<u>4:40</u>		<u>X</u>		<u>X</u>	
<u>30</u>		<u>361 01'</u>		<u>12-14</u>		<u>4:42</u>		<u>X</u>		<u>X</u>	

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Relinquished By: Justin R. See Date: 12-15-21 Received By: Justin R. See Date: 12-15-21

Delivered By: (Circle One) Observed Temp. °C -9.3 Sample Condition ☒ Intact ☐ Cool ☐ Yes ☐ No ☐ No

Sampler - UPS - Bus - Other: Corrected Temp. °C -9.8 CHECKED BY: (Initials) JS

Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) Sample Condition ☐ Cool ☐ Intact ☐ Yes ☐ No ☐ No

Thermometer ID #113 Correction Factor -0.5°C

REMARKS: Justin R. See

Verbal Result: ☐ Yes ☐ No Add'l Phone #: Justin R. See

All Results are emailed. Please provide Email address:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Cardinal Laboratories</u>		P.O. #:		BILL TO				ANALYSIS REQUEST												
Project Manager: <u>Justin R. Diamond</u>		Company:																		
Address:		Attn:																		
City: <u>Hobbs</u>		Address:																		
State: <u>NM</u> Zip: <u>88240</u>		City:																		
Phone #:		State:																		
Fax #:		Zip:																		
Project #:		Phone #:																		
Project Name:		Fax #:																		
Project Location: <u>County well #00114</u>																				
Sampler Name: <u>Justin R. Diamond</u>																				
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICP / COOL	OTHER :	DATE	TIME						
<u>H213610</u>	<u>31 362 @ 1'</u>	<u>0</u>	<u>1</u>										<u>12-14</u>	<u>4:44</u>	<u>X</u>	<u>EX+TPH</u>	<u>X</u>	<u>BTGX</u>		
<u>32 363 @ 1'</u>	<u>33 364 @ 1'</u>	<u>1</u>	<u>1</u>										<u>4:46</u>	<u>4:48</u>	<u>X</u>					
<u>34 365 @ 1'</u>	<u>35 366 @ 1'</u>	<u>1</u>	<u>1</u>										<u>4:50</u>	<u>4:52</u>	<u>X</u>					
<u>36 367 @ 1'</u>	<u>37 368 @ 1'</u>	<u>1</u>	<u>1</u>										<u>4:54</u>	<u>4:56</u>	<u>X</u>					
<u>38 369 @ 1'</u>	<u>39 370 @ 1'</u>	<u>1</u>	<u>1</u>										<u>4:58</u>	<u>5:00</u>	<u>X</u>					
<u>40 371 @ 1'</u>	<u>41 372 @ 1'</u>	<u>1</u>	<u>1</u>										<u>5:02</u>	<u>5:04</u>	<u>X</u>					

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Relinquished By: <u>Justin R. Diamond</u>	Date: <u>12-15-21</u>	Received By: <u>Justin R. Diamond</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: <u>Justin R. Diamond</u>	Date: <u>12-15-21</u>	Received By: <u>Justin R. Diamond</u>	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition
Sampler - UPS - Bus - Other:	<u>-9.3</u>	<u>-9.8</u>	<input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No
Turnaround Time:	Thermometer ID #113	Correction Factor -0.5°C	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C

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

December 20, 2021

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF #001H

Enclosed are the results of analyses for samples received by the laboratory on 12/15/21 8:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received: 12/15/2021
Reported: 12/20/2021
Project Name: CRAZY WOLF #001H
Project Number: NONE GIVEN
Project Location: MEWBOURNE

Sampling Date: 12/14/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 2 BGS 0-1' (H213609-01)

BTX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	1.90	95.2	2.00	5.99	
Toluene*	<0.050	0.050	12/16/2021	ND	1.89	94.5	2.00	11.6	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.92	95.8	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.28	105	6.00	11.0	
Total BTX	<0.300	0.300	12/16/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/16/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 64.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received: 12/15/2021
Reported: 12/20/2021
Project Name: CRAZY WOLF #001H
Project Number: NONE GIVEN
Project Location: MEWBOURNE

Sampling Date: 12/14/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 3 BGS 0-1' (H213609-02)**BTEX 8021B**

mg/kg

Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	1.90	95.2	2.00	5.99	
Toluene*	<0.050	0.050	12/16/2021	ND	1.89	94.5	2.00	11.6	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.92	95.8	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.28	105	6.00	11.0	
Total BTEX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 69.9-140

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/16/2021	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	20.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 72.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.4 % 38.9-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received: 12/15/2021
Reported: 12/20/2021
Project Name: CRAZY WOLF #001H
Project Number: NONE GIVEN
Project Location: MEWBOURNE

Sampling Date: 12/14/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 4 BGS 0-4' (H213609-03)**BTEX 8021B**

mg/kg

Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	1.90	95.2	2.00	5.99	
Toluene*	<0.050	0.050	12/16/2021	ND	1.89	94.5	2.00	11.6	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.92	95.8	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.28	105	6.00	11.0	
Total BTEX	<0.300	0.300	12/16/2021	ND					

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/16/2021	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 73.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.7 % 38.9-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received: 12/15/2021
Reported: 12/20/2021
Project Name: CRAZY WOLF #001H
Project Number: NONE GIVEN
Project Location: MEWBOURNE

Sampling Date: 12/14/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 5 BGS 1-4' (H213609-04)**BTEX 8021B**

mg/kg

Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	1.90	95.2	2.00	5.99	
Toluene*	<0.050	0.050	12/16/2021	ND	1.89	94.5	2.00	11.6	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.92	95.8	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.28	105	6.00	11.0	
Total BTEX	<0.300	0.300	12/16/2021	ND					

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	12/16/2021	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 75.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 12/15/2021
 Reported: 12/20/2021
 Project Name: CRAZY WOLF #001H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 12/14/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 6 BGS 0-1' (H213609-05)

BTEX 8021B			mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	1.90	95.2	2.00	5.99		
Toluene*	<0.050	0.050	12/16/2021	ND	1.89	94.5	2.00	11.6		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.92	95.8	2.00	11.8		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.28	105	6.00	11.0		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/16/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	16.9	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.9 % 38.9-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received: 12/15/2021
Reported: 12/20/2021
Project Name: CRAZY WOLF #001H
Project Number: NONE GIVEN
Project Location: MEWBOURNE

Sampling Date: 12/14/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 7 BGS 0-1' (H213609-06)**BTEX 8021B**

mg/kg

Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	1.90	95.2	2.00	5.99	
Toluene*	<0.050	0.050	12/16/2021	ND	1.89	94.5	2.00	11.6	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	1.92	95.8	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.28	105	6.00	11.0	
Total BTEX	<0.300	0.300	12/16/2021	ND					

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/16/2021	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	214	107	200	6.68	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	215	107	200	7.50	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.5 % 38.9-142

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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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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 9 of 9

Company Name: XXXXXXXXXX Diamond Buell		BILL TO		ANALYSIS REQUEST																					
Project Manager: Justin R.		P.O. #:																							
Address:		Company:																							
City: Hobbs State: NM Zip: 88240		Attn:																							
Phone #: Fax #:		Address:																							
Project #: Project Owner:		City:																							
Project Name:		State: Zip:																							
Project Location: Craycroft #0001H		Phone #:																							
Sampler Name: Joe Keene, Jr.		Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(GRAB OR C) OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME											
H213609																									
1	W2 BGS 0-1'	C	1			/				/			12-14	3:52	X	X	X								
2	W3 BGS 0-1'	C	1			/				/			12-14	4:00	X	X	X								
3	W4 BGS 0-4'	C	1			/				/			12-14	3:54	X	X	X								
4	W5 BGS 1-4'	C	1			/				/			12-14	3:56	X	X	X								
5	W6 BGS 0-1'	C	1			/				/			12-14	4:02	X	X	X								
6	W7 BGS 0-1'	C	1			/				/			12-14	3:58	X	X	X								

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Relinquished By:	Date: 12-15-21	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: 0850			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: Justin R. Keene
Time:			
Delivered By: (Circle One)	Observed Temp. °C -9.3	Sample Condition Cool Intact	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C -9.8	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition Cool Intact
			Observed Temp. °C
			Thermometer ID #113
			Correction Factor -0.5°C
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

December 30, 2021

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF #001H

Enclosed are the results of analyses for samples received by the laboratory on 12/23/21 12:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 32 @ 2' (H213714-01)

BTX 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82		
Toluene*	<0.050	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65		
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85		
Total BTX	<0.300	0.300	12/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/28/2021	ND	400	100	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/24/2021	ND	217	108	200	1.80		
DRO >C10-C28*	<10.0	10.0	12/24/2021	ND	233	117	200	4.88		
EXT DRO >C28-C36	<10.0	10.0	12/24/2021	ND						

Surrogate: 1-Chlorooctane 89.3 % 62-130

Surrogate: 1-Chlorooctadecane 92.4 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 36 @ 2' (H213714-02)

BTEx 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82		
Toluene*	0.113	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65		
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85		
Total BTEX	<0.300	0.300	12/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/28/2021	ND	400	100	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/24/2021	ND	217	108	200	1.80		
DRO >C10-C28*	18.8	10.0	12/24/2021	ND	233	117	200	4.88		
EXT DRO >C28-C36	10.6	10.0	12/24/2021	ND						

Surrogate: 1-Chlorooctane 94.6 % 62-130

Surrogate: 1-Chlorooctadecane 98.5 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 38 @ 2' (H213714-03)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82		
Toluene*	0.085	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65		
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85		
Total BTEX	<0.300	0.300	12/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/28/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/24/2021	ND	217	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/24/2021	ND	233	117	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	12/24/2021	ND					

Surrogate: 1-Chlorooctane 98.8 % 62-130

Surrogate: 1-Chlorooctadecane 104 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 39 @ 2' (H213714-04)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82	
Toluene*	0.080	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77	
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65	
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85	
Total BTEX	<0.300	0.300	12/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/28/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/24/2021	ND	217	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/24/2021	ND	233	117	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	12/24/2021	ND					

Surrogate: 1-Chlorooctane 99.0 % 62-130

Surrogate: 1-Chlorooctadecane 104 % 54.5-135

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 45 @ 2' (H213714-05)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82		
Toluene*	0.283	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65		
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85		
Total BTEX	<0.300	0.300	12/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/28/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/24/2021	ND	217	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/24/2021	ND	233	117	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	12/24/2021	ND					

Surrogate: 1-Chlorooctane 97.3 % 62-130

Surrogate: 1-Chlorooctadecane 103 % 54.5-135

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 46 @ 2' (H213714-06)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82		
Toluene*	0.357	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65		
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85		
Total BTEX	0.357	0.300	12/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/28/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/24/2021	ND	217	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/24/2021	ND	233	117	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	12/24/2021	ND					

Surrogate: 1-Chlorooctane 95.2 % 62-130

Surrogate: 1-Chlorooctadecane 100 % 54.5-135

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
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 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 52 @ 2' (H213714-07)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82		
Toluene*	0.474	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65		
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85		
Total BTEX	0.474	0.300	12/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/28/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/24/2021	ND	217	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/24/2021	ND	233	117	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	12/24/2021	ND					

Surrogate: 1-Chlorooctane 99.7 % 62-130

Surrogate: 1-Chlorooctadecane 105 % 54.5-135

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 56 @ 2' (H213714-08)

BTEx 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82		
Toluene*	<0.050	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65		
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85		
Total BTEX	<0.300	0.300	12/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/28/2021	ND	400	100	400	7.69		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/24/2021	ND	217	108	200	1.80		
DRO >C10-C28*	<10.0	10.0	12/24/2021	ND	233	117	200	4.88		
EXT DRO >C28-C36	<10.0	10.0	12/24/2021	ND						

Surrogate: 1-Chlorooctane 98.4 % 62-130

Surrogate: 1-Chlorooctadecane 105 % 54.5-135

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 61 @ 2' (H213714-09)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82	
Toluene*	<0.050	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77	
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65	
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85	
Total BTEX	<0.300	0.300	12/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/28/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/24/2021	ND	217	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/24/2021	ND	233	117	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	12/24/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 62-130

Surrogate: 1-Chlorooctadecane 91.6 % 54.5-135

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 68 @ 5' (H213714-10)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82		
Toluene*	0.069	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65		
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85		
Total BTX	<0.300	0.300	12/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/28/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2021	ND	206	103	200	2.77	
DRO >C10-C28*	<10.0	10.0	12/28/2021	ND	212	106	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	12/28/2021	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 69 @ 5' (H213714-11)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82	
Toluene*	<0.050	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77	
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65	
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85	
Total BTEX	<0.300	0.300	12/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/28/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2021	ND	206	103	200	2.77	
DRO >C10-C28*	<10.0	10.0	12/28/2021	ND	212	106	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	12/28/2021	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	12/23/2021	Sampling Date:	12/23/2021
Reported:	12/30/2021	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 70 @ 5' (H213714-12)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2021	ND	2.03	101	2.00	5.82	
Toluene*	<0.050	0.050	12/28/2021	ND	1.96	98.0	2.00	5.77	
Ethylbenzene*	<0.050	0.050	12/28/2021	ND	1.90	95.2	2.00	5.65	
Total Xylenes*	<0.150	0.150	12/28/2021	ND	5.81	96.9	6.00	4.85	
Total BTEx	<0.300	0.300	12/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/28/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2021	ND	206	103	200	2.77	
DRO >C10-C28*	<10.0	10.0	12/28/2021	ND	212	106	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	12/28/2021	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 whatsoever 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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.

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Newbourne Diamond Rock Project Manager: Justin R.		P.O. #: Company:		BILL TO		ANALYSIS REQUEST							
Address: City: Hobbs State: NM Zip: 88240 Phone #: Fax #: Project #: Project Owner: Project Name: Project Location: Cattle wolf #1 Sampler Name: Joe Chusada Jr.		Attn: Address: City: State: Zip: Phone #: Fax #:											
FOR LAB USE ONLY		Matrix (G) RAB OR (C) OMB # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV ACID/BASE: ICE/ COOL OTHER:		SAMPLING							
Lab I.D. H213714		Sample I.D.		DATE 12-23		TIME 9:06		CI EXT TPH BTEX					
1 R 32. 02'		1 C 1		1		1							
2 R 34 02'		2 C 1		2		2							
3 R 39 02'		3 C 1		3		3							
4 R 39 02'		4 C 1		4		4							
5 R 45 02'		5 C 1		5		5							
6 R 46 02'		6 C 1		6		6							
7 R 52 02'		7 C 1		7		7							
8 R 56 02'		8 C 1		8		8							
9 R 61 02'		9 C 1		9		9							
10 R 68 05'		10 C 1		10		10							

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Relinquished By: Date: 12-23 Time: 1240 Date:	Received By: Date: 12-23 Time: 9:06 Date:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: Justin R. Joe Chusada Jr.
Relinquished By: Date: 12-23 Time: 1240 Date:	Received By: Date: 12-23 Time: 9:06 Date:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: Justin R. Joe Chusada Jr.

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.1 Corrected Temp. °C 3.6	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C
Turnaround Time: Thermometer ID #113 Correction Factor -0.5°C	Standard Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Newbould (Diamondback)

Project Manager: Justin R.

Address:

City: Abbeville **State:** AL **Zip:** 36824

Phone #: **Fax #:**

Project #: **Project Owner:**

Project Name:

Project Location: Coney Wolf #1

Sampler Name: Joe Chandler

FOR LAB USE ONLY

P.O. #:

Company:

Attn:

Address:

City: **State:** **Zip:**

Phone #: **Fax #:**

Lab I.D.

Sample I.D.

FOR LAB USE ONLY

Matrix: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:

Preserv: ACID/BASE, ICE / COOL, OTHER:

Sampling:

Lab I.D.	Sample I.D.	Matrix	Preserv	Sampling	DATE	TIME	PH	STEX	Other
#213714	11 R69 05	GROUNDWATER			12-23	9:18	X	X	
	12 R70 05	GROUNDWATER			12-23	9:20	X	X	

Relinquished By: [Signature] **Date:** 12-23

Received By: [Signature] **Date:** 12-23

Relinquished By: [Signature] **Date:** 12-23

Received By: [Signature] **Date:** 12-23

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID #113 **Correction Factor -0.5°C**

Remarks: Justin R, Joe Q

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

All Results are emailed. Please provide Email address:

Delivered By: (Circle One) **Observed Temp. °C** 4.1 **Corrected Temp. °C** 3.6

Sample Condition: Cool ☒ Intact ☐ Yes ☐ No ☐ Yes ☐ No

Checked By: [Signature] **Initials:** JD

Sample - UPS - Bus - Other:



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

January 14, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF #001H

Enclosed are the results of analyses for samples received by the laboratory on 01/14/22 7:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	01/14/2022	Sampling Date:	01/13/2022
Reported:	01/14/2022	Sampling Type:	Soil
Project Name:	CRAZY WOLF #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: B 66 @ 2' (H220159-01)

BTX 8021B			mg/kg		Analyzed By: MS/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2022	ND	1.90	94.9	2.00	11.7	
Toluene*	<0.050	0.050	01/14/2022	ND	1.83	91.5	2.00	12.3	
Ethylbenzene*	<0.050	0.050	01/14/2022	ND	1.81	90.3	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/14/2022	ND	5.48	91.4	6.00	11.6	
Total BTX	<0.300	0.300	01/14/2022	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/14/2022	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2022	ND	201	101	200	2.55	
DRO >C10-C28*	12.4	10.0	01/14/2022	ND	206	103	200	0.107	
EXT DRO >C28-C36	<10.0	10.0	01/14/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.4 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
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Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Cardinal Laboratories</u>		P.O. #:		ANALYSIS REQUEST									
Project Manager: <u>Justin Roberts</u>		Company:											
Address:		Attn:											
City: <u>Hobbs</u>		State: <u>NM</u>		Zip: <u>88240</u>									
Phone #:		Fax #:		Address:									
Project #:		Project Owner:		City:									
Project Name:		State:		Zip:									
Project Location: <u>Celebration #001H</u>		Phone #:											
Sampler Name: <u>Joe Quaschnick</u>		Fax #:											
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		MATRIX		PRESERV.		SAMPLING	
<u>H22D159</u>		<u>Box @ 3'</u>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
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CONDITIONS

Action 81224

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 81224
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Closure approved.	3/10/2022