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

)

Page 1 of 188

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 32.051753\_

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Red Hills West Unit #001H SWD Tie-In	Site Type Pipeline
Date Release Discovered 1/24/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
Р	8	26S	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)			
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)	
Produced Water	Volume Released (bbls) 452	Volume Recovered (bbls) 260	
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No	
Condensate	Volume Released (bbls)	Volume Recovered (bbls)	
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)	
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)	
Cause of Dalasse			

Cause of Release

A steel nipple corroded and failed on our SWD pipeline.

eived by OCD: 4/18/202	2 9:48:50 AM State of New Mexico	<u> </u>	Page 2 of 18	
III C-141	Oil Concernation Division	Incident ID		
e 2		District RP		
		Facility ID		
		Application ID		
Was this a major release as defined by 19.15.29.7(A) NMAC? Xes No	If YES, for what reason(s) does the responsible par The release is greater than 25 bbls	ty consider this a major release?		
	otice given to the OCD? By whom? To whom? Wh nor Walker to <u>ocd.enviro@state.nm.us</u> on 1/24/2021			

# **Initial Response**

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

 $\square$  The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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:	Connor Walker	Title:	Sr. Engineer
Signature:	cwalker@mewbourne.com		Date: _1/25/2022 Telephone:806-202-5281
OCD Only			
Received by:		Date:	

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Page 3 of 188

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-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.

Received by OCI	D: 4/18/2022 9:48:50 AM State of New Mexico					Page 4 of 188
				Incident ID		
Page 4	Oil Conservation Division			District RP		
				Facility ID		
				Application ID		
regulations all o public health or failed to adequat addition, OCD a and/or regulation	that the information given above is true and complete to the best operators are required to report and/or file certain release notificat the environment. The acceptance of a C-141 report by the OCI tely investigate and remediate contamination that pose a threat the acceptance of a C-141 report does not relieve the operator of rest ns.	ations and D does not o groundy ponsibility	perform co relieve the vater, surfa	prrective actions for rele operator of liability sho ce water, human health iance with any other feo	eases which may en ould their operation or the environmen	danger 1s have t. In
	cwalker@mewbourne.com			/18/2022 me <u>:806-202-5281</u>		
OCD Only Received by: _		Da	te:			

**Oil Conservation Division** 

Incident ID	
District RP	
Facility ID	
Application ID	

# Closure

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

<b><u>Closure Report Attachment Checklist</u>:</b> Each of the following	items must be included in the closure report.		
$\boxtimes$ A scaled site and sampling diagram as described in 19.15.29.	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 OD	C District office must be notified 2 days prior to final sampling)		
Description of remediation activities			
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance o should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.		
Signature:	Date:4/18/2022		
email:cwalker@mewbourne.com	Telephone:806-202-5281		
OCD Only			
Received by:	Date:		
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.		
Closure Approved by:	Date:05/18/2022		
Printed Name: Jennifer Nobui	Title:Environmental Specialist A		

# Mewbourne Oil Co Red Hills West Unit #001H SWD Tie-In NAPP2203964271

**Final Remediation Report** 

# Introduction

This report presents the results of remediation activities at the Red Hills West Unit #001H SWD Tie-In. On behalf of Mewbourne Oil Company (Mewbourne), Diamondback Disposal Services, Inc (Diamondback) was tasked with the cleanup and remediation of release NAPP2203964271. The release occurred in Unit Letter P, Section 8, Township 26S, Range 32E at coordinates 32.051753, -103.689745. 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 mostly on an active production pad built on BLM lease land, with a small area of pastureland being affected. A small area of a frac pond, which was in the process of being reclaimed, was also affected. Approximately 452 barrels of produced water was lost with 260 barrels bbls being recovered. All fluid was lost due to the failure of a corroded steel nipple on the SWD line.

# **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 February 1, 2022, and February 11, 2022, Diamondback excavated approximately 2,620 cubic yards (cy) of impacted material, loaded, and transported to Northern Delaware Basin Landfill for disposal. Depth of excavation ranges from approximately 1-foot bgs to 2 feet bgs on pad and pasture area. Frac pond area was excavated to 2' bgs, including the depth of the frac pond. Between the dates of February 4, 2022, and February 10, 2022, 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 samples prove to be below Table 1 RRAL's for site closure. Being that Table 1 Closure Criteria for groundwater <50' bgs was used, all restoration and reclamation limits have been met.

On February 18, 2022, backfilling began and ran thru February 21, 2022. Approximately 2,020 cy of Caliche was obtained from a local source to backfill production pad area, Material was placed in a manner to promote compaction for ongoing production activities. Affected pasture area was backfilled with "like" material and will be seeded with BLM approved mix during the next optimum growing season.

# Conclusions

Upon review of all analytical provided by the third-party independent lab, results indicate 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 Red Hills West Unit #001H SWD Tie-In release.

# **OSE POD Locations Map**



# 3/15/2022, 2:05:38 PM

OSE District Boundary New Mexico State Trust Lands

Water Right Regulations

Both Estates

Closure Area

SiteBoundaries



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

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Floor Sections Map Red Hills West Unit #001H Mewbourne Oil Co. Released to Imaging: 5/18/2022 2:53:46



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



Wall Sections Map Red Hills West Unit #001H Mewbourne Oil Co. Released to Imaging: 5/18/2022 2:53:46



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

## TABLE 1 MEWBOURNE OIL COMPANY RED HILLS WEST UNIT #1

	A	В	С	D	E	F	G	Н	I	J	К	L	М	N	0
2	W-1WALL	H220438-01	0-2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
3	W- 2 WALL	H220438-02	0-2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
4	W- 3 WALL	H220438-03	0-2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
5	W-4 WALL	H220438-04	0-2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
6	W- 5 WALL	H220442-01	0-2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	80.0
7	W- 6 WALL	H220442-02	0-2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	48.0
8	W-7 WALL	H220441-01	0-2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
9	W-8 WALL	H220456-01	0-2'	2-07-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
10	W-9 WALL	H220456-02	0-2'	2-07-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
11	W- 10 WALL	H220540-01	0-2'	2-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
12	W- 11 WALL	H220540-02	0-1'	2-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
13	W- 12 WALL	H220540-03	0-2'	2-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
14	W- 13 WALL	H220540-04	0-1'	2-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
15	W- 14 WALL	H220540-05	0-2'	2-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
16	W- 15 WALL	H220540-06	0-2'	2-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
17	W- 16 WALL	H220540-07	0-2'	2-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
18	B-1 FLOOR	H220415-01	2'	02-02-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
19	B- 2 FLOOR	H220415-02	2'	02-02-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
20	B- 3 FLOOR	H220415-03	2'	02-02-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
21	B- 4 FLOOR	H220415-04	2'	02-02-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
22	B- 5 FLOOR	H220415-05	2'	02-02-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
23	B- 6 FLOOR	H220415-06	2'	02-02-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
24	B- 7 FLOOR	H220415-07	2'	02-02-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
25	B-8 FLOOR	H220415-08	2'	02-02-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
26	B-9 FLOOR	H220437-01	2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
27	B- 10 FLOOR	H220437-02	2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
28	B- 11 FLOOR	H220437-03	2'	02-04-22	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
29	B- 12 FLOOR	H220437-04	2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
30	B- 13 FLOOR	H220437-05	2'	02-04-22	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
31	B- 14 FLOOR	H220437-06	2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
32	B- 15 FLOOR	H220437-07	2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
33	B-16 FLOOR	H220437-08	2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432

## TABLE 1 Mewbourne oil Company Red Hills West Unit #1

A	В	С	D	E	F	G	Н	I	J	К	L	М	Ν	0
34 B- 17 FLOOR	H220437-09	2'	02-04-22	COMP	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
35 B- 18 FLOOR	H220437-10	2'	02-04-22	COMP	< 0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
36 B- 19 FLOOR	H220437-11	2'	02-04-22	COMP	< 0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
37 B- 20 FLOOR	H220437-12	2'	02-04-22	COMP	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
38 B- 21 FLOOR	H220437-13	2'	02-04-22	COMP	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	368
39 B- 22 FLOOR	H220437-14	2'	02-04-22	COMP	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	144
40 B-23 FLOOR	H220437-15	2'	02-04-22	COMP	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	240
41 B-24 FLOOR	H220442-03	2'	02-05-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
42 B- 25 FLOOR	H220442-04	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
43 B- 26 FLOOR	H220443-01	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
44 B- 27 FLOOR	H220443-02	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
45 B-28 FLOOR	H220443-03	2'	02-05-22	COMP	< 0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
46 B- 29 FLOOR	H220443-04	2'	02-05-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
47 B- 30 FLOOR	H220443-05	2'	02-05-22	COMP	< 0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
48 B- 31 FLOOR	H220443-06	2'	02-05-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
49 B- 32 FLOOR	H220443-07	2'	02-05-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
50 B- 33 FLOOR	H220443-08	2'	02-05-22	COMP	< 0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
51 B- 34 FLOOR	H220443-09	2'	02-05-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
52 B- 35 FLOOR	H220443-10	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
53 B- 36 FLOOR	H220443-11	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
54 B- 37 FLOOR	H220443-12	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
55 B- 38 FLOOR	H220443-13	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
56 B- 39 FLOOR	H220443-14	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
57 B-40 FLOOR	H220443-15	2'	02-05-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.7	<10.0	17.7	48.0
58 B- 41 FLOOR	H220443-16	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
59 B- 42 FLOOR	H220443-17	2'	02-05-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
60 B- 43 FLOOR	H220443-18	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
61 B- 44 FLOOR	H220443-19	2'	02-05-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
62 B- 45 FLOOR	H220443-20	2'	02-05-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
63 B-46 FLOOR	H220455-01	2'	02-07-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
64 B- 47 FLOOR	H220455-02	2'	02-07-22	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
65 B-48 FLOOR	H220455-03	2'	02-07-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0

## TABLE 1 MEWBOURNE OIL COMPANY RED HILLS WEST UNIT #1

	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0
66	B-49 FLOOR	H220455-04	2'	02-07-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
67	B-50 FLOOR	H220455-05	2'	02-07-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
68	B-51 FLOOR	H220455-06	2'	02-07-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
69	B-52 FLOOR	H220455-07	2'	02-07-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
70	B-53 FLOOR	H220455-08	2'	02-07-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
71	B-54 FLOOR	H220455-09	2'	02-07-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
72	B-55 FLOOR	H220455-10	2'	02-07-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
	B-56 FLOOR	H220455-11	2'	02-07-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
73	B-56 FLOOR	H220541-01	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.1	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
74	B-57 FLOOR	H220541-02	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
75	B-58 FLOOR	H220541-03	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
76	B-59 FLOOR	H220541-04	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
77	B-60 FLOOR	H220541-05	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
78	B-61 FLOOR	H220541-06	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
79	B-62 FLOOR	H220541-07	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
80	B-63 FLOOR	H220541-08	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
81	B-64 FLOOR	H220541-09	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
82	B-65 FLOOR	H220541-10	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
83	B-66 FLOOR	H220541-11	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
84	B- 67 FLOOR	H220541-12	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
85	B- 68 FLOOR	H220541-13	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
86	B- 69 FLOOR	H220541-14	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
87	B- 70 FLOOR	H220541-15	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
88		H220541-16	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
89	B- 72 FLOOR	H220541-17	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
90	B- 73 FLOOR	H220541-18	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
91	B- 74 FLOOR	H220541-19	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
92	B- 75 FLOOR	H220541-20	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
93	B- 76 FLOOR	H220541-21	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
94	B- 77 FLOOR	H220541-22	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
95	B- 78 FLOOR	H220541-23	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
96	B- 79 FLOOR	H220541-24	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0

	А	В	С	D	E	F	G	Н	I	J	К	L	М	Ν	0
97	B-80 FLOOR	H220541-25	2'	02-10-22	COMP	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	128
98	B-81 FLOOR	H220541-26	2'	02-10-22	COMP	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
99	B-82 FLOOR	H220541-27	2'	02-10-22	COMP	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	80.0
100	B-83 FLOOR	H220541-28	2'	02-10-22	COMP	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	96.0
101	B-84 FLOOR	H220541-29	2'	02-10-22	COMP	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
102	B-85 FLOOR	H220541-30	2'	02-10-22	COMP	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	80.0
103	B-86 FLOOR	H220541-31	2'	02-10-22	COMP	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
104	B-87 FLOOR	H220541-32	2'	02-10-22	COMP	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	176
105	B-88 FLOOR	H220541-33	2'	02-10-22	COMP	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	64.0
106	B-89 FLOOR	H220541-34	2'	02-10-22	COMP	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
107	B-90 FLOOR	H220541-35	2'	02-10-22	COMP	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	96.0
108	B- 91 FLOOR	H220541-36	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	112
109	B- 92 FLOOR	H220541-37	2'	02-10-22	COMP	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	96.0
110	B- 93 FLOOR	H220541-38	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
111	B- 94 FLOOR	H220541-39	2'	02-10-22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
112	B- 95 FLOOR	H220541-40	2'	02-10-22	COMP	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	128





# N SE





# Page 17 of 188 NE

# NE S SW 120 150 180 90 60 210 ② 137°SE (T) ● 32°3'3"N, 103°41'25"W ±13ft ▲ 3178ft



# N NE E SE 0 30 60 120 150 1 1 1 1 1 1 1 1 1 83°E (T) 32°3'3"N, 103°41'25"W ±13ft 3179ft 3179ft









# S 210 180



# Page 20 of 188 W 300

17 Feb 2022, 08:53:19

# SW



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# N NE E SE SE

# 7 Feb 2022, 08:55:02

# N NE E SE 0 30 60 90 120 150 0 1 1 1 1 1 1 1 1 0 80°E (T) 32°3'0"N, 103°41'25"W ±13ft 3193ft

DEERE

02 Feb 2022, 12:58:47

# SW W NW N 210 240 270 00 330 0 30 • I •





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# S SW W NW 150 180 210 240 270 300 30 235°SW (T) 32°3'1"N, 103°41'24"W ±13ft 3194ft

# 





# 04 Feb 2022, 09:45:37

# 



# W NW NE Ē 270 300 330 30 60 90 • I • I • I • I • I • I • I • I • I • 358°N (T) • 32°3'2"N, 103°41'24"W ±9ft ▲ 3176ft







February 07, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/02/22 16:48.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



# Analytical Results For:

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

Received:	02/02/2022	Sampling Date:	02/02/2022
Reported:	02/07/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 1 @ 2' (H220415-01)

BTEX 8021B	mg,	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/04/2022	ND	1.92	95.9	2.00	10.6	
Toluene*	<0.050	0.050	02/04/2022	ND	1.89	94.5	2.00	10.7	
Ethylbenzene*	<0.050	0.050	02/04/2022	ND	1.82	91.0	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/04/2022	ND	5.69	94.8	6.00	9.33	
Total BTEX	<0.300	0.300	02/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
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	02/03/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	02/04/2022	ND	193	96.6	200	1.44	
DRO >C10-C28*	<10.0	10.0	02/04/2022	ND	233	117	200	0.414	
EXT DRO >C28-C36	<10.0	10.0	02/04/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107	% 59.5-14	2						

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## \*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

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

Received:	02/02/2022	Sampling Date:	02/02/2022
Reported:	02/07/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 2 @ 2' (H220415-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2022	ND	1.92	95.9	2.00	10.6	
Toluene*	<0.050	0.050	02/04/2022	ND	1.89	94.5	2.00	10.7	
Ethylbenzene*	<0.050	0.050	02/04/2022	ND	1.82	91.0	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/04/2022	ND	5.69	94.8	6.00	9.33	
Total BTEX	<0.300	0.300	02/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/03/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2022	ND	193	96.6	200	1.44	
DRO >C10-C28*	<10.0	10.0	02/04/2022	ND	233	117	200	0.414	
EXT DRO >C28-C36	<10.0	10.0	02/04/2022	ND					
Surrogate: 1-Chlorooctane	99.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102 9	% 59.5-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

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

Received:	02/02/2022	Sampling Date:	02/02/2022
Reported:	02/07/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 3 @ 2' (H220415-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2022	ND	1.92	95.9	2.00	10.6	
Toluene*	<0.050	0.050	02/04/2022	ND	1.89	94.5	2.00	10.7	
Ethylbenzene*	<0.050	0.050	02/04/2022	ND	1.82	91.0	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/04/2022	ND	5.69	94.8	6.00	9.33	
Total BTEX	<0.300	0.300	02/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/03/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2022	ND	193	96.6	200	1.44	
DRO >C10-C28*	<10.0	10.0	02/04/2022	ND	233	117	200	0.414	
EXT DRO >C28-C36	<10.0	10.0	02/04/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	106	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


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

Received:	02/02/2022	Sampling Date:	02/02/2022
Reported:	02/07/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 4 @ 2' (H220415-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2022	ND	1.92	95.9	2.00	10.6	
Toluene*	<0.050	0.050	02/04/2022	ND	1.89	94.5	2.00	10.7	
Ethylbenzene*	<0.050	0.050	02/04/2022	ND	1.82	91.0	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/04/2022	ND	5.69	94.8	6.00	9.33	
Total BTEX	<0.300	0.300	02/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/03/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2022	ND	193	96.6	200	1.44	
DRO >C10-C28*	<10.0	10.0	02/04/2022	ND	233	117	200	0.414	
EXT DRO >C28-C36	<10.0	10.0	02/04/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/02/2022	Sampling Date:	02/02/2022
Reported:	02/07/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 5 @ 2' (H220415-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2022	ND	1.92	95.9	2.00	10.6	
Toluene*	<0.050	0.050	02/04/2022	ND	1.89	94.5	2.00	10.7	
Ethylbenzene*	<0.050	0.050	02/04/2022	ND	1.82	91.0	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/04/2022	ND	5.69	94.8	6.00	9.33	
Total BTEX	<0.300	0.300	02/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/03/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2022	ND	193	96.6	200	1.44	
DRO >C10-C28*	<10.0	10.0	02/04/2022	ND	233	117	200	0.414	
EXT DRO >C28-C36	<10.0	10.0	02/04/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107	% 59.5-14	2						

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

Received:	02/02/2022	Sampling Date:	02/02/2022
Reported:	02/07/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 6 @ 2' (H220415-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2022	ND	1.92	95.9	2.00	10.6	
Toluene*	<0.050	0.050	02/04/2022	ND	1.89	94.5	2.00	10.7	
Ethylbenzene*	<0.050	0.050	02/04/2022	ND	1.82	91.0	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/04/2022	ND	5.69	94.8	6.00	9.33	
Total BTEX	<0.300	0.300	02/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/03/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2022	ND	193	96.6	200	1.44	
DRO >C10-C28*	<10.0	10.0	02/04/2022	ND	233	117	200	0.414	
EXT DRO >C28-C36	<10.0	10.0	02/04/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/02/2022	Sampling Date:	02/02/2022
Reported:	02/07/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 7 @ 2' (H220415-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2022	ND	1.92	95.9	2.00	10.6	
Toluene*	<0.050	0.050	02/04/2022	ND	1.89	94.5	2.00	10.7	
Ethylbenzene*	<0.050	0.050	02/04/2022	ND	1.82	91.0	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/04/2022	ND	5.69	94.8	6.00	9.33	
Total BTEX	<0.300	0.300	02/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/03/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2022	ND	193	96.6	200	1.44	
DRO >C10-C28*	<10.0	10.0	02/04/2022	ND	233	117	200	0.414	
EXT DRO >C28-C36	<10.0	10.0	02/04/2022	ND					
Surrogate: 1-Chlorooctane	97.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.7	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/02/2022	Sampling Date:	02/02/2022
Reported:	02/07/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 8 @ 2' (H220415-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2022	ND	1.92	95.9	2.00	10.6	
Toluene*	<0.050	0.050	02/04/2022	ND	1.89	94.5	2.00	10.7	
Ethylbenzene*	<0.050	0.050	02/04/2022	ND	1.82	91.0	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/04/2022	ND	5.69	94.8	6.00	9.33	
Total BTEX	<0.300	0.300	02/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/03/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2022	ND	193	96.6	200	1.44	
DRO >C10-C28*	<10.0	10.0	02/04/2022	ND	233	117	200	0.414	
EXT DRO >C28-C36	<10.0	10.0	02/04/2022	ND					
Surrogate: 1-Chlorooctane	109	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	112 9	% 59.5-14	2						

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# **Notes and Definitions**

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

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 43 of 188

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (57		BILL TO	ANALYSIS REQUEST
Company Name: Diamond Ba	rele	P.O. #:	
roject Manager: Justin R		Company: Newboune	
ddress:		Attn:	
ny. 100103	te: VM Zip: 88240	Address:	
Phone #: Fax :			
Project #: Proj	ect Owner:	City: State: Zip:	
Project Name:		-	
Project Location: Red Hills	west #1	Phone #:	
Sampler Name: Lee Quescule	MATRIX	Fax #: PRESERV. SAMPLING	
FOR LAB USE ONLY Lab I.D. Sample I.D. HZZOHIS (BL $@ 2'$ Z B2 @ 2' Z B2 @ 2' Z B2 @ 2' Z B3 @ 0' 4 B4 @ 2' 5 B5 @ 2' $6 B_0 @ 0'$ 7 B7 @ 2' 8 B4 @ 0'	C C C C C C C C C C C C C C C C C C C	Типования згловани зглования зглования зглования зглования зглования	
Refinquished By: Refinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other: Correct	damages, including without limitation, business interruptions hereunder by Cardinal, regardless of whether such that is a supervised set of the supervised set	ndition CHECKED BY: (Initials)	wide.   esuit: Yes No Add'I Phone #:   ts are emailed. Please provide Email address:   ASHAR Jac   Astrice Standard   Rush Bacteria (only) Sample Condition   Cool Intact Observed Temp. °C   eter ID #113 Yes Yes   n Factor -0.5°C No No Corrected Temp. °C

Received by OCD: 4/18/2022 9:48:50 AM



February 09, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/04/22 16:40.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 9 @ 2' (H220437-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 9	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 10 @ 2' (H220437-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	109	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	114 9	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 11 @ 2' (H220437-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	115 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 12 @ 2' (H220437-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	113 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	118 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 13 @ 2' (H220437-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	114 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 14 @ 2' (H220437-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	98.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 15 @ 2' (H220437-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	2						

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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 16 @ 2' (H220437-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	96.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.3	% 59.5-14	2						

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Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 17 @ 2' (H220437-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	92.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.8	% 59.5-14	2						

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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 18 @ 2' (H220437-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2022	ND	201	101	200	0.812	
DRO >C10-C28*	<10.0	10.0	02/08/2022	ND	222	111	200	0.862	
EXT DRO >C28-C36	<10.0	10.0	02/08/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105	% 59.5-14	2						

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Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 19 @ 2' (H220437-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	211	105	200	1.46	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	234	117	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	99.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	2						

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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 20 @ 2' (H220437-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	2.02	101	2.00	6.62	
Toluene*	<0.050	0.050	02/08/2022	ND	1.98	98.9	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	2.00	99.8	2.00	6.49	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	6.15	103	6.00	6.36	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B mg/kg			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	211	105	200	1.46	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	234	117	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 9	% 59.5-14	2						

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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 21 @ 2' (H220437-13)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	1.93	96.3	2.00	8.68	
Toluene*	<0.050	0.050	02/08/2022	ND	1.91	95.7	2.00	8.51	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	1.83	91.7	2.00	8.62	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	5.65	94.1	6.00	9.34	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B mg/kg			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	211	105	200	1.46	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	234	117	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	108	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 22 @ 2' (H220437-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	1.93	96.3	2.00	8.68	
Toluene*	<0.050	0.050	02/08/2022	ND	1.91	95.7	2.00	8.51	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	1.83	91.7	2.00	8.62	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	5.65	94.1	6.00	9.34	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	hloride, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	211	105	200	1.46	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	234	117	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	96.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	2						

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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: B 23 @ 2' (H220437-15)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	1.93	96.3	2.00	8.68	
Toluene*	<0.050	0.050	02/08/2022	ND	1.91	95.7	2.00	8.51	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	1.83	91.7	2.00	8.62	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	5.65	94.1	6.00	9.34	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B mg/kg			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	211	105	200	1.46	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	234	117	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	97.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 18 of 19

# 101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476					BILL TO							ANALYSIS REQUEST							1			
Company Name Project Manager	Diamond Ball					t	P.O.															
	Justin R.						Com	pany														
Address:	Cinter 111	Zin	00	200		-	Attn:															
City: 1105		OC ZIP.	290	240	-			ess:														
Phone #:	Fax #:					- f	City:															
Project #:	Project Ow	ner:					State			Zip:												
Project Name:	a							ne #:		Lip:												
Project Location	: Real Hills west Joe Quesceles)	74			-		Fax					1										
FOR LAB USE ONLY	Jae Guisades	<u>.</u>	-	MA	TRD	(		RESE	RV.	SAMP	LING	1	-									
Lab I.D. 371 H220464	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL	OTHER :	DATE	TIME	5	Ext TPI	BTEX								
ALCO ICA	B9 @2'	C	1	1				١		2 24		X	X	X		-	-	-	-		-	
2	B10 @2'	C	3	1				1			11:02	12	X	X		-	-	-	-	-		-
3	BIL @ 2'	C	1	1	1			1			11:04		X	X		-	-	-	-	-	-	+
4	B12 02	C	1	1	-			1			11:04		X	X		-	-	-	-	-	-	+
5	B13 @2'	C	1	1	-	-		1	-		11:08		N	X		-	-	-				
6	BI4 @2'	2	1		1	-		1	-	2/24			X	1v		-	-					
1	B1502	2	1	1		+		)	+		11:12		X	N								
8	B16@2'	0	1		1	+		1	-	214	11:14		X	$ \langle \rangle$								
9	31702	C	H	++		1		i	1	2)4	11118	Y	X	X								
DI FASE NOTE: LIABITY	B18 @2' and Damages. Cardinal's liability and client's exclusive reme	dy for any clain	n arising w	whether bas	ied in c	ontract	or tort,	shall be	limited	to the amount pa	id by the client f	or the		1.6.								
analyses. All claims inclu	ling those for negligence and any other cause whatsoever sl	hall be deeme	d waiyeo u	o husiness	interru	ntions.	loss of	use, or lo	oss of p	rofits incurred by	client, its subsid	iaries,	abie									
affiliates or successors and Relinguished E	sing out of or related to the performance of services hereund	ser by Cardinal	ceive	d By:	101 300	in containty			-		Verbal R	esult.		es 🗆	No	Add'l P	hone #	t:				
Relinquished	Time C	406		di	7	1/2e	M	S	01	2	All Resul											
Delivered By: ( Sampler - UPS		-	800	Samp	In	TYE	s	C		KED BY: tials)	Turnarou Thermom Correctio	eter ID	#113	Rus	dard	TT (	Cool I	ia (only ntact Yes	Obs	ble Cond served T	lition emp. °C Temp. °C	

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

Page 61 of 188

Page 62 of 188

Received by OCD: 4/18/2022 9:48:50 AM

# **CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393	-2326 FAX (575) 393-24	176	_			-		-	1 70	-			-	ANALYS	IS REC	QUEST		
Company Name:	D. someonde	an	ond	JB	ul				LTO						TT			
Project Manager: Just	NR					-	P.O. #											
Address:						C	comp	any:										
city: Holdos	State: DL	Zip:	88	sou	Ð	A	Attn:											
Phone #:	Fax #:					A	Addre	SS:										
Project #:	Project Owne	r:				-	City:								1 1			
Project Name:						5	State:		Zip:						1 1			- 1
Project Location: Res	Hills west	#1				F	Phon	e #:							1 1			
Project Location: Res Sampler Name: And	Hersceller dr.					_	Fax #		CAN	PLING	1 1				1 1			
FOR LAB USE ONLY	Under the Law O	1.1	T	_	MATRI	X	PR	RESERV.	SAMP	LING								
37 TO 4242 11 BIG (	ample I.D. 2 2 ຊີ 2 ຊີ 2 ຊີ 2 ຊີ 2 ຊີ 2 ຊີ	COCC (G)RAB OR (C)OMP	1 1 1 # CONTAINERS	GROUNDWATER	NU OIL	SLUDGE	OTHER : ACID/BASE	V / / / ICE / COOL	DATE 2-4 2-4 2-4 2-4 2-4 2-4	TIME 11:30 2:41 2:48 2:50 0:53	ベイス	X++X EV+TPH	· XXXX STEX					
	- 15 C									aid by the client	for the							
PLEASE NOTE: Liability and Damages. Car analyses. All claims including those for negli service. In no event shall Cardinal be liable f affiliates or successors arising out of or relater Relinquished By: Relinquished By: Delivered By: (Circle One)	Date: Time: Observed Temp.	Provide the second seco	at limital <u>L regar</u> ecciv	tion, busit dess of w red B 1 2 wed B Sa	vhether su V: V: V:	uptions, ch claim	tion	se, or loss of f upon any off	profits incurred b the above stated	reasons or other Verbal F All Resu REMAR	Result: Its are of States	emailed R R		TN C	address: Bacteria (o ool Intac		rved Temp	p. °C
Delivered By: (Circle One) Sampler - UPS - Bus - Oth PORM-006 R 3.2 10/0	ner: Corrected Temp.	°C Z	3	C	Yes		es	Ŷ	initials)	Thermon	neter ID on Facto	#113 -0.5°C	Rush	-TP C	Yes ☐ Y Nc ☐		rved Temp	

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



February 09, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/04/22 16:40.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



February 08, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/07/22 8:15.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: W 5 BGS 0-2' (H220442-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
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	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	70.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	64.6	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: W 6 BGS 0-2' (H220442-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	hloride, SM4500Cl-B mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	75.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.5	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 24 @ 2' (H220442-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/07/2022	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	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	78.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 25 @ 2' (H220442-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	79.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

aboratories

Page 70 of 188

Received by OCD: 4/18/2022 9:48:50 AM

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# 101 East Marland, Hobbs, NM 88240

(575) 393-2326	FAX (575) 393-2476	_		-	-	-	BI	11	то					A	NALY	(SIS	REQ	UEST	r		-
ompany Name: Mewbourne		_				.0. #															1
oject Manager: Pobble Ru	nnels	-			Ľ.		_	10	bou.	ine											
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roject #:	Project Owner:				-	City:		Zip					•								
roject Name:						State:	4.	Zip	).												
	West Unit cold				- 1	Phone		-													
Sampler Name: Sose Que	sale	-	N	ATRI	-	Fax #	ESERV	1	SAMP	LING			$\mathbf{X}$								
FOR LAB USE ONLY Lab I.D. Sample H220442 I WS B650-2' Z W6 B650-2' Z W6 B650-2' Z W6 B650-2' Z B24 @2' B252'		1 1 ) j. # CONTAINERS	GROUNDWA IER WASTEWATER		SLUDGE	OTHER: ACID/BASE		3	DATE 45 45 45 45	TIME 8:484 9:584. 12:04	1		4011-128								
PLEASE NOTE: Liability and Damages. Cardinal's liability analyses. All claims including those for negligence and ar service. In no event shall Cardinal be liable for incidental to affiliates or successors arising out of or related to the perfor Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Date: 7-22 R Time: 08/05	tecel	tion, busin dees cf w ved By ved By ved By Sa Cc	ess inter wather su	Cond	ition	Se, or loss lupon any Add CHI		ED BY: als)	REMAR	wise. Result: ilts are kKS: ound Ti neter IE on Fact	me: #113 or Non	e -0	ndard Sc	/ R:	Bac Cool	dress:	es O	mple Con observed	Temp. °C	



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

# Sample ID: W 1 BGS 0-2' (H220438-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	1.93	96.3	2.00	8.68	
Toluene*	<0.050	0.050	02/08/2022	ND	1.91	95.7	2.00	8.51	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	1.83	91.7	2.00	8.62	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	5.65	94.1	6.00	9.34	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
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	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	211	105	200	1.46	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	234	117	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	82.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.3	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: W 2 BGS 0-2' (H220438-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	1.93	96.3	2.00	8.68	
Toluene*	<0.050	0.050	02/08/2022	ND	1.91	95.7	2.00	8.51	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	1.83	91.7	2.00	8.62	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	5.65	94.1	6.00	9.34	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	211	105	200	1.46	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	234	117	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	96.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

### Sample ID: W 3 BGS 0-2' (H220438-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	1.93	96.3	2.00	8.68	
Toluene*	<0.050	0.050	02/08/2022	ND	1.91	95.7	2.00	8.51	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	1.83	91.7	2.00	8.62	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	5.65	94.1	6.00	9.34	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	211	105	200	1.46	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	234	117	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	90.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.1	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/04/2022	Sampling Date:	02/04/2022
Reported:	02/09/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

#### Sample ID: W 4 BGS 0-2' (H220438-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2022	ND	1.93	96.3	2.00	8.68	
Toluene*	<0.050	0.050	02/08/2022	ND	1.91	95.7	2.00	8.51	
Ethylbenzene*	<0.050	0.050	02/08/2022	ND	1.83	91.7	2.00	8.62	
Total Xylenes*	<0.150	0.150	02/08/2022	ND	5.65	94.1	6.00	9.34	
Total BTEX	<0.300	0.300	02/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	211	105	200	1.46	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	234	117	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	95.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	100 \$	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7

101 East Marland, Hobbs, NM 88240

Company Name: Dicemond Back Project Manager: Justin R Address: City: Hobbs State: Phone #: Fax #: Project #: Project C Project Name: Project Location: Real Hills wees Sampler Name: Science Colors FOR LAB USE ONLY	Dwner: + + 1 - MATRID		Attn: Addi City: Stati Pho Fax	#: pany: : ress: : : e: ne #:	Zip:									
Address: City: Hobbes State: Phone #: Fax #: Project #: Project C Project Name: Project Location: full Hills wess Sampler Name: Scent Suscedure	Dwner:	x	Attn: Addi City: Stati Pho Fax	ress: : e: ne #: #:										
Sity:     Hobbes     State:       Phone #:     Fax #:       Project #:     Project C       Project Name:     Project Location:       Project Location:     Fax #:       Project Location:     Fax #:       Project Location:     Fax #:       Project Location:     Fax #:	Dwner:	x	Attn: Addi City: Stati Pho Fax	ress: : e: ne #: #:										
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	R (C)OMP. VERS VATER.				SAMI	PLING		1						
Lab I.D. Sample I.D. 4220485 22422	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	TIME	3	HUT JX3	STEX					
1720402 210 255 0-2'		, 0,	Ŭ	1	24	11:32	X	x	X				-	
1 (10) BGS 0-2' 2 W2 BGS 0-2' 3 W3 BGS 0-2' 104 BGS 0-2'	CI I	1		1	2-4	11:34	X	X	X			-		
2 WB BGS 0-2' 3 W3 BGS 0-2'	01 1			1	24	11:36	XX	X	X			-	-	
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive n	emedy for any claim arising whether based in	contra	ct or tort	shall be limite	d to the amount p	aid by the client fo	r the	ble						
analyses. All claims including those for negligence and any other cause whatsoen	ver andn de deerried man es husinger intern	aution	lose of	use or loss of	f profits incurred by	client, its subsidia	aries,					_		
attintee or successors arising out of or related to the performance of services ner	reunder by Caroliter, regardlose or mittering					Vorbal R	thuse	□ Ye	Pleas	No Add' e provide Er	'l Phone mail add	#: ress:		
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Delivered By: (Circle One) Observed Te	emp. °C 2.8 Sample C Cool In Press	ntact	/	CHE	CKED BY: nitials)	Turnarou	ter ID	#113	Stand Rush		Cool	eria (only) Intact s 🗌 Yes c 🗌 No		ondition d Temp. °C

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

Released to Imaging: 5/18/2022 2:53:46 PM



February 08, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/07/22 8:15.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: W 5 BGS 0-2' (H220442-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	70.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	64.6	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: W 6 BGS 0-2' (H220442-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	75.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.5	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 24 @ 2' (H220442-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	78.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 25 @ 2' (H220442-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	79.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

aboratories

Page 83 of 188

Received by OCD: 4/18/2022 9:48:50 AM

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# 101 East Marland, Hobbs, NM 88240

(575) 393-2326 F/	AX (575) 393-2476	_		-		-	-	211	LTO					A	NALY	(SIS	REQ	UES	Г		-
ompany Name: Menthouse		_			t	2.0. #	-	11-1	10												
roject Manager: Pobble Ruy	inels	-			L.			al	entos.												
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Project Name:						State		2	Zip:												
Project Location: Red Hills W	Vest Unit cold				-	Phon		-		_											
Sampler Name: Jose Quer		_		ATR	_	Fax #	RESE	RV	SAME	PLING			$\lambda$								
FOR LAB USE ONLY Lab I.D. Sample 4220442 $1 \ W.5 \ BGS \ 0 - 2'$ $Z \ W \ BGS \ 0 - 2'$ $3 \ B \ 24 \ @ 2'$ $B \ 25 \ 2'$		1 ( ) # CONTAINERS	GROUNDWATER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SLUDGE	OTHER :		OTHER: '	DATE 345 245 245 245 245	TIME 8:48,4 9:58,4 12:04, 12:04,	1		Koll. 123								
PLEASE NOTE: Liability and Damages. Cardinal's liability and analyses. All claims including those for negligence and any of service. In no event shall Cardinal be liable for incidental or a diffiates or successors arising out of or related to the perform <b>Relinquished By:</b> Soc Acata Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Consequental damages, including withon nance of services hereunder by Cardrar Date: 7-2-2-2 Time:	tecei	tation, busi erdbess of v ved B ved B ved B	vathers Vathers V	Cond	lition	c	any of U	CKED BY: initials)	REMAR Turnarc Thermor	wise. Result: Its are KS: ound T neter ID	emaile ime: ) #113	Sta	P. Me. Tu Indard	1 R	HSult Bac Cool	dress:	t C		H ndition Temp. %	



February 08, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/07/22 8:15.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: W 7 BGS 0-2' (H220441-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	78.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.7	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

**CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

101 East Marland, Hobbs, NM 88240

Company Name: Mewbourse Project Manager: Robbie Runnels Address: City: 16005 State: A Phone #: Fax #: Project #: Project C Project Name: Project Location: Red Hills West US Sampler Name: Sose Quesal	wner:	p: 1	885	240	>		P.O.	pan	y: M	e. hou										
Address: City: -6565 State: 4 Phone #: Fax #: Project #: Project C	wner:	p: {	883	40	)				y: M	a. hau			- 1		1 1			I		1
City: +6565 State: 7 Phone #: Fax #: Project #: Project C	wner:	p: 1	885	40	)					incurrent	Ind									
Phone #: Fax #: Project #: Project C Project Name:	wner:					-		:												
Project #: Project C							Add	ress	:											
Project Name							City	:												
Project Location: Rep Hills West U	La						Stat	e:	1	Zip:										
	M IT L	011	4				Pho	ne #	:											
Sampler Name: Sose Quesale	1.1. 0						Fax	-												
FOR LAB USE ONLY		Τ		М	ATRI	X		PRES	ERV.	SAMP	LING			N						
Lab I.D. Sample I.D. 1220441 ເພາສີ65 ເຊ.2'	CIGIERAB OR CLOW	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	OTHER:	DATE 2/5	тіме 2:34	100	-131 FK	- 647 71						
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive re analyses. All claims including those for negligence and any other cause whatsowe service. In no event shall Cardinal be liable for incidental or consequental damage affiliates or successors arising cut of or related to the Lefformance of services here Relinquished By: Relinquished By: Date: Time: Delivered By: (Circle One) Sampler - UPS - Bus - Other: Corrected Te	n, including with under by Card 32 15 15 mp. °C	Rece	hitation, gardless eived	By: By: By: By: San Coo	ss interr	uptions, ch claim A Condintact	tion		chess of p	rofits incurred by	client, its subsid	wise. Result: Its are e KS:	Ye mailed	Standa	esut	Cool I	ia (only) s	ample Cr Observe Correcte	d Temp.	-C

Released to Imaging: 5/18/2022 2:53:46 PM

Page 87 of 188



February 11, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/07/22 16:35.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: W 8 BGS 0-2' (H220456-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/09/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	79.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.9	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

### Sample ID: W 9 BGS 0-2' (H220456-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/09/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	188	93.9	200	0.448	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	220	110	200	0.0400	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	82.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.3	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

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

Company Name:	Diamond Back		B	ILL TO	ANALYSIS REQUEST
Project Manager:	Diamond Back		P.O. #:		
Address:			Company:		1
City: Hobbs	State: 103	1 Zip: 88240	Attn:		
Phone #:	Fax #:		Address:		
Project #:	Project Own	er:	City:		
Project Name:			State:	Zip:	
Project Location:	Rechtills yest	#1	Phone #:		
Sampler Name:	Joo hiercider?	IC .	Fax #:		1
FOR LAB USE ONLY	00	MATRIX	PRESERV	SAMPLING	
Lab I.D. H220456	Sample I.D.	7 (G)RAB OR (C)OMP       # CONTAINERS       GROUNDWATER       WASTEWATER       > SoiL       OIL	OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME	C/ LINA
11	N 8 8 BGS 0-2'	CIN	1	2.7 2:42	XXX
21	NO BES 0-2'	CIN		0-7 0:40	
	199			679	
maryses. An claims including the	mages. Cardinal's liability and client's exclusive remedy for se for negligence and any other cause whatsoever shall b	a deemed waived unless made in writing an	of received by Cardinal up	dillo and allow and a make fit aids	
filiates or successors arising out	I be liable for incidental or consequental damages, includi of or related to the performance of services hereunder by	on without limitation, business interruptions	loss of use or loss of nee	the laws and has allowed by an had allowed	
Relinquished By:	Date:	Received By:	nn.	/ Verbal Res	esult: Ves No Add'l Phone #:
Qa. ()	week Time: 35	1 Jamara	Aldal	LAR All Results	s are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:		REMARKS	s:
	Time:				
Delivered By: (Circle	One) Observed Temp. °C				
Sampler - UPS - Bus	- Other: Corrected Temp. °C	34 Cool Intact	s (Initia	als) Thermomete	er ID #113 Cool Intact Observed Temp. °C
PORM-006 R 3	and the second		, 40		Image: West of the sector -0.5°C         Yest of the sector -0.5°C         No         Corrected Temp. °C

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

Page 92 of 188

Received by OCD: 4/18/2022 9:48:50 AM



February 15, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/10/22 16:50.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: W 10 BGS 0-2' (H220540-01)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2022	ND	1.84	92.0	2.00	9.98	
Toluene*	<0.050	0.050	02/14/2022	ND	1.85	92.7	2.00	9.19	
Ethylbenzene*	<0.050	0.050	02/14/2022	ND	1.88	94.1	2.00	8.65	
Total Xylenes*	<0.150	0.150	02/14/2022	ND	5.84	97.3	6.00	8.46	
Total BTEX	<0.300	0.300	02/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	119 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	126 9	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

### Sample ID: W 11 BGS 0-1' (H220540-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	114 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: W 12 BGS 0-2' (H220540-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	114 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: W 13 BGS 0-1' (H220540-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	115 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	118 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: W 14 BGS 0-2' (H220540-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	112 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	116 9	59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: W 15 BGS 0-2' (H220540-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	117 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	123 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

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:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: W 16 BGS 0-2' (H220540-07)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	117 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	e: Dianend Back		BILL	TO	ANALYSIS REQUEST	_
Project Manage	er: Justin P		P.O. #:			
Address:	010-1		Company:		<u> </u>	
City: Hold	os State: ))).	JZip: 88340	Attn:			
Phone #:	Fax #:		Address:			
Project #:	Project Own	ier:	City:			
Project Name:			State: Zi	p:		
Project Locatio	m: Realldills uset .	£±1	Phone #:			
Sampler Name:	: Realtills west		Fax #:			
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING	$\neg$ $\downarrow$	
Lab I.D. Hzzos#0	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME	E LATA	
1	W10 B55 0-2'	CIN	) 5	2-10 12:34	AZZAN	
Z	WIL BOS 0-1'	C 1 1	1 2	2-10 12:28		
3	W12 00 Bas 6-2'	CIN		2-10 12:30	SD X X X	-
4	W13 BOS 0-1	CI	) 5	2-10 12:32	2XXX	-
5	W14 BGS 0-2'	VIN	1 5	2-10 12:34	4 X X X	-
97	W15 862 0-2'			2.10 12:36	6 X X 2	+
-+++	w16 BBS 0-2'			2.10 12:38	8 x x x	
	nd Damages. Cardinal's liability and client's exclusive remedy fo					
service. In no event shall C	Cardinal be liable for incidental or consequental damages, including out of or related to the performance of services hereunder b	ing without limitation, business interruptio y Cardinal, regardless of whether such clip Received By: Autuatia Received By:	ns, loss of use, or loss of profits	incurred by client, its subsidiar we stated reasons or otherwis Verbal Re	eidiaries. erwise. Result:  Yes No Add'l Phone #: ults are emailed. Please provide Email address:	
Delivered By: (C Sampler - UPS -		Cool Intac	(Initials	) Thermometer	Standard Rush     Bacteria (only) Sample Condition       meter ID #113     Cool Intact     Observed Temp. °C       on Factor -0.5°C     No     Corrected Temp. °C	

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

Received by OCD: 4/18/2022 9:48:50 AM



February 08, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/07/22 8:15.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 26 @ 2' (H220443-01)

BTEX 8021B	mg,	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/07/2022	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	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	75.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.0	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 27 @ 2' (H220443-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-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	02/07/2022	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	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	73.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	69.4	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 28 @ 2' (H220443-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2022	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	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	81.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	77.2	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 29 @ 2' (H220443-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
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	02/07/2022	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	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	77.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.5	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

#### Sample ID: B 30 @ 2' (H220443-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.09	105	2.00	0.796	
Toluene*	<0.050	0.050	02/07/2022	ND	2.07	104	2.00	1.28	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	2.09	104	2.00	0.326	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.45	107	6.00	0.227	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2022	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	02/07/2022	ND	203	101	200	0.377	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	79.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	75.9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 31 @ 2' (H220443-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	95.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.5	% 59.5-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 32 @ 2' (H220443-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	96.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.1	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 33 @ 2' (H220443-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	98.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.9	% 59.5-14	2						

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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 34 @ 2' (H220443-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	97.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.8	% 59.5-14	2						

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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 35 @ 2' (H220443-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	2						

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Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 36 @ 2' (H220443-11)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	107	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107	% 59.5-14	2						

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Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 37 @ 2' (H220443-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	98.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	100	% 59.5-14	2						

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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 38 @ 2' (H220443-13)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	106	% 59.5-14	2						

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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 39 @ 2' (H220443-14)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	2						

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Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 40 @ 2' (H220443-15)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	2.05	102	2.00	1.79	
Toluene*	<0.050	0.050	02/07/2022	ND	2.03	101	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.97	98.4	2.00	1.36	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.13	102	6.00	0.861	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	222	111	200	2.55	
DRO >C10-C28*	17.7	10.0	02/07/2022	ND	229	115	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105	% 59.5-14	2						

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Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 41 @ 2' (H220443-16)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	1.92	95.8	2.00	12.5	
Toluene*	<0.050	0.050	02/07/2022	ND	1.98	99.2	2.00	9.16	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.98	99.0	2.00	7.94	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.21	104	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-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	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	213	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	235	118	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105	% 59.5-14	2						

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Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 42 @ 2' (H220443-17)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	1.92	95.8	2.00	12.5	
Toluene*	<0.050	0.050	02/07/2022	ND	1.98	99.2	2.00	9.16	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.98	99.0	2.00	7.94	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.21	104	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	213	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	235	118	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	99.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.6	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 43 @ 2' (H220443-18)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	1.92	95.8	2.00	12.5	
Toluene*	<0.050	0.050	02/07/2022	ND	1.98	99.2	2.00	9.16	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.98	99.0	2.00	7.94	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.21	104	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	Analyze	d By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	213	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	235	118	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	92.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	<i>93.7</i>	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 44 @ 2' (H220443-19)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	1.92	95.8	2.00	12.5	
Toluene*	<0.050	0.050	02/07/2022	ND	1.98	99.2	2.00	9.16	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.98	99.0	2.00	7.94	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.21	104	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
hloride, SM4500Cl-B mg/kg			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	213	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	235	118	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/05/2022
Reported:	02/08/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 45 @ 2' (H220443-20)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2022	ND	1.92	95.8	2.00	12.5	
Toluene*	<0.050	0.050	02/07/2022	ND	1.98	99.2	2.00	9.16	
Ethylbenzene*	<0.050	0.050	02/07/2022	ND	1.98	99.0	2.00	7.94	
Total Xylenes*	<0.150	0.150	02/07/2022	ND	6.21	104	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500Cl-B	loride, SM4500Cl-B mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2022	ND	213	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	02/07/2022	ND	235	118	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	02/07/2022	ND					
Surrogate: 1-Chlorooctane	92.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.8	% 59.5-14	2						

### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

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

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 ----

Company Name	(575) 393-2326 FAX (575) 393-2		-	-			-	Т			B	IL	LTO					-	ANA	LYS	IS F	REQU	IEST			
Project Manage	"Men bourne "Robble Runnels							F	P.O.	#:																
Address:	1-sone issue							c	Com	npar	ny:/	И.	eubou	me												
City: Hobbs	State: NW	Zip	o: (	88	241	5			Attn			1														
Phone #:	Fax #:							A	Add	res	5: 19	id	bea													
Project #:	Project Own	er:									660															
Project Name:					7			s	Stat	e:/	vm	- Z	ip: 887	240												
Project Location	n: Red Hills West UNI	1 00	ojl	Y				F	Pho	ne i	¥:															
Sampler Name:	n: Red Hills West UNI			_				F	ax	_		_			1											
FOR LAB USE ONLY					N	ATA	RIX	-	P	RE	SERV	1	SAM	PLING			2									
Lab I.D.	Sample I.D.	C(G)RAB OR (C)ON	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	OTHER.	DATE	TIME	c/	BTEX	EXTT,									
1	324 02'	C	Ĩ	ľ		T					l		25	12:04	١	1	*									
Z	1327 42'	C	1			1					1		1	12:08	1	. 5	1							-		
3	1327 42' 1328 e 2'	C	1			i.					1		(	12:10	'	1	1	_			-	-	_		1	
4	B29 02'	C	1			1	_				1	1		and the second se	1	1	1			-		-	-		-	-
5	(330 @ 2'		1			1	_		1	-	1			12.14	1	(	1		-	-	-	-	-	-	-	+
4	13102'	C	1			1	_		-		1	+	(	12:14	1		1	_		-	-	-	-	-		
7	B32021	C	1	+	1.	1			-		1	+		12:18	1	1	1	_	-	+-	-		_	-	-	+
8	1338 82'	C	1	1		1	-	-	+		1	+		12:20	1	1	!	-	-	+	-	-	-	-	-	+
9	B34e2'	C	1	+		i	-	-	+	+	1	ł		12:22	1		1		-	+	-	-	-	+	-	+
PLEASE NOTE: Liability a	B33 e 2' ind Damages. Cardinal's liability and client's exclusive remedy for	r any cla	im aris	sing wit	hether b	ased i	n cont	tract or	r tort, s	shall b	e limite	ed to	the amount pa	id by the client for	rthe	,	,	-	-	-	-	_	-	-	-	_
analyses. All claims includ	ing those for negligence and any other cause whatsoever shall Cardinal be liable for incidental or consequental damages, include	be deem	ed wai out lim	ived un itation.	busine	ade in ss inter	writing	g and r	ss of u	ed by f	Cardina loss of	al with ptrof	hin 30 days aft fits incurred by	er completion of t client, its subsidia	the application in the application of the applicati	ble										
Relinquished B	ing out of or related to the performance of services hereunder b Date: J-7-22 Time: 8/5	R	al, reg ece	ivec	By:	ether o	eat d	taim is	Jasec (	d upor	any of	the i	above stated r	Verbal Re All Result	se. esult:	Ye mailed.	s 🗆 Please	No e prov	Add' ide Er	l Phor nail a	ne #: ddres	s: tin	Rok	erts Condition		
Relinquished B	y: Date: Time:	R	ece	iveo	d By:							/		REWARK		Em	. ( Î	1250	. +>	1-	K	20	SV	(		
Delivered By: (0 Sampler - UPS -		-1	14		Sam Coo	1	ntac		-	(		nitia	ED BY: als)	Turnarous Thermome Correction			Rush	o		Coo	cteria I Inta Yes Nc	act	Obser	Condition red Tem	p. °C	

Released to Imaging: 5/18/2022 2:53:46 PM

Page 125 of 188

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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Standard

O.Sc

Rush

Z

Cool Intact

Yes Yes

Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

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

Company Name	: Mu poarne		-		-	-	Т		1	BI	LL TO	-		_		A	NAL	SIS	RE	QUE	ST		
Project Manage	" Mewboarne " Lobble Runnels						F	.0.	#:														
Address:							c	om	pany	: 14	enboi	we	1										
City: Nobbs	State: Av	Zip	: 5	3824	10			ttn:															
Phone #:	Fax #:						A	ddr	ess:												1		
Project #:	Project Ov	vner:					d	ity:					1							-			
Project Name:							s	tate	:		Zip:		1										
Project Locatio	n: Red Hills West Unit	001	H				F	hon	e #:														
Sampler Name:		0.11	1				-	ax #															
FOR LAB USE ONLY			Г		MAT	RIX		P	RESE	RV.	SAM	PLING	1		1								
Lab I.D. HZZ0443	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER		OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	12	BTEY	EXT TP.								
11	B36 e2'	e	1		1				1		45	12:24		1	1								
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14		0	T		1	_	4	+	1	_		2:22pm	11	1	1		-	-			-		
15	B40 e2'	C	1		1	-	4	+	1			2:24pm	1	1	!!		-						
14	B4102'	1¢	!		1		-	+	1	_	(	2:242	11	)	2	-	-	-	-	-			
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18	B43@21	C	Ľ		1	-		+	1		(	23021	1.'	,	5		-	-	-	-			
17	B44e2' B4502'	10	Ľ		;	-	-	+	1			2:342-	1	1	1	-	+		-	-			
ZC PLEASE NOTE: Liability a	ID4 3 6 2 Ind Damages. Cardinal's liability and client's exclusive remed	y for any clair	m arisi	ing whether	based	in con	tract or	tort, sh	all be lin	nited to	o the amount pa		the	/	4 1		1						
	ling those for negligence and any other cause whatsoever sh Cardinal be liable for incidental or consequental damages, in													ble									
Relinquished B	1 2-7-2 Time 815	Re	ecei	ved By	a	such c	taim is l		ipon any	y of the	e ebove stated re	Verbal Re All Results REMARKS		Ye mailed.	s D I Please	no A provide	dd'l Pi Emai	hone #	#: ress: Jus	stir		20ti	xert?
Relinquished B			ecei	ved By	a	N	~4		w	4-	Jac	REMARK	S:	T-1	mol	Resu,	15	1	P	V	st		

Page 24 of 24

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

CHECKED BY:

(Initials)

4

**Turnaround Time:** 

Thermometer ID #113

Correction Factor None

Sample Condition

Yes Yes

Cool Intact

Observed Temp. °C

Corrected Temp. °C\_

Page 126 of 188

Received by OCD: 4/18/2022 9:48:50 AM

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

KIVI-000 K 3.1 00/04/



February 11, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/07/22 16:35.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 46 @ 2' (H220455-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	de, SM4500Cl-B mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	109	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 47 @ 2' (H220455-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	81.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

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:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 48 @ 2' (H220455-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	77.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.2	% 59.5-14	2						

### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 49 @ 2' (H220455-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
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	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	101 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	115 9	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 50 @ 2' (H220455-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/09/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	75.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	82.1	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 51 @ 2' (H220455-06)

BTEX 8021B	mg/	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/09/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	75.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	82.1	% 59.5-14	2						

### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 52 @ 2' (H220455-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	89.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.5	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 53 @ 2' (H220455-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/09/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	83.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.0	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

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:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 54 @ 2' (H220455-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/09/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	92.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107 9	% 59.5-14	2						

### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 55 @ 2' (H220455-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/09/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	86.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.3	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/07/2022	Sampling Date:	02/07/2022
Reported:	02/11/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 56 @ 2' (H220455-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	1.96	98.2	2.00	5.96	
Toluene*	<0.050	0.050	02/09/2022	ND	1.93	96.5	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.95	97.3	2.00	6.01	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	6.03	100	6.00	5.50	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/09/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2022	ND	210	105	200	0.0827	
DRO >C10-C28*	<10.0	10.0	02/10/2022	ND	160	80.0	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/10/2022	ND					
Surrogate: 1-Chlorooctane	92.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.0	% 59.5-14	2						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

**CARDINAL** Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ñ

Cool Intact

Observed Temp. °C

Yes Yes Nc No Corrected Temp. °C

Rush

Thermometer ID #113

Correction Factor -0.5°C

101 East Marland, Hobbs, NM 88240 (ETE) 202 2226 EAV (ETE) 202 2476

Company Name: Diamona Bacle					BILL TO								A	NAI	YSI	S R	EQUI	EST					
Project Manager:	Justin R							P.O. #:											Τ		T		
Address:	Justifield							Company:															
City: 1000	S State: U	M Zip	L Zip: 88240				Attn:																
Phone #:	Fax #:							Address:															
Project #:	Project Ov	vner:						City	:														
Project Name:								Stat	e:		Zip:												
Project Location:	Reellills yeast	141						Pho	ne	#:													
Sampler Name:	requescider							Fax											1				
FOR LAB USE ONLY				-	MA	TRI	K	F	RE	SERV	SAN	IPLING											
Lab I.D. H220455	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	20	Ext TPL	BIEX								
12	343 46 02'	0	1		1					1	2-7	2:22	X	X	<								
ZR	547 @9' 348 @2'	C	ι		1				1	1	1	2:24	R	X	X	_				-	-	-	
37	348 82'	C	1		1	-			1			2:26	X	X	Х	-	_		-	-	-	-	
	B19 @2'	C	1		1	-			-	/		2:28	X	X	X				-	-	+	-	
SR	350 @2'	-	1	-	)	4		-		\$		2:30	X	Y	x		_	-	-	-	-	-	
61	351 @9'	C	1		1	-						2:32	X	X	X			-	-	-	-	-	
ZR	352 03	C	1		1	-			1		-	2:34	Y	X	X				-	-			
87	553 @ ?'	C	(		1	-			1			2:36	X	×	X	-	_	-	-	-	-	-	
97	BS4 02'	C	(		)				_	1			X	X	X	-			-	-	-	-	
10	BSS @2'	C	11	-	)					e limited	1	2:40	X	x	X		_						

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

(Initials)

C

Cool Intact

Corrected Temp. °C 3.4

Yes Yes

Received by OCD: 4/18/2022 9:48:50 AM

Sampler - UPS - Bus - Other:

URIVI-000 R 3.2 10/07/2

Received by OCD: 4/18/2022 9:48:50 AM

Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Company Name: Dipunevel Back					BILL TO						_		-		ANA	LYS	IS F	REQU	JEST					
Project Manager:	chistip R							P.C	). #:												T		T		
Address:								Company:					1												
City: Hob	State: DL	Zip	: <	21	DU	0		Attn:				-	1												
Phone #:	Fax #:			00.		-		Address:			1														
Project #:	Project Owne	er:						City						1											
Project Name:								Sta			z	ip:		1											
Project Location:	Reg Hills pust	14						Phone #:																	
Sampler Name: AR CALLSING						Fax						1													
FOR LAB USE ONLY		T	Г		MA	TRI	x		PRE	SER	4	SAM	PLING	1											
Lab I.D. HZZD455	Sample I.D.	CG)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :		DATE	ТІМЕ	CL	ext tal	BTCL									
IR	56 23'	C	1		1	Ĩ		Ĭ	1	1		2/7	612:42	x	x	V			1		-		+	-	+
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PLEASE NOTE: Liability and D	amages. Cardinal's liability and client's exclusive remedy for	any claim	n arisir	ng wheth	er based	t in co	ntract or	tort, s	shall b	e limited	to th	te amount pai	d by the client for	the			-			_		_	_		
service. In no event shall Cardin	hose for negligence and any other cause whatsoever shall be nal be liable for incidental or consequental damages, includin	g without	t limita	tion, bus	siness in	terrupt	ions, los	is of u	se, or	loss of p	orofits	s incurred by o	lient, its subsidiari	ies.	le										
Relinquished By:	but of or related to the performance of services hereunder by Date:	Re		diess of		such	claim is	based	d upon	any of t	he at	bove stated re	Verbal Res	e. sult:	□ Yes		No	Add'l	Phone	e #:	_				_
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+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



February 15, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RED HILLS WEST #1

Enclosed are the results of analyses for samples received by the laboratory on 02/10/22 16:50.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 56 @ 2' (H220541-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-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	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	113 % 66.9-13		6						
Surrogate: 1-Chlorooctadecane	118 9	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

## Sample ID: B 57 @ 2' (H220541-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-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	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	116 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 58 @ 2' (H220541-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	116 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	117 9	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 59 @ 2' (H220541-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	118 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	124	% 59.5-14	2						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 60 @ 2' (H220541-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	117 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	124	% 59.5-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 61 @ 2' (H220541-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	112 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119 9	% 59.5-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 62 @ 2' (H220541-07)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	113 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	122 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 63 @ 2' (H220541-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	118 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	126	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 64 @ 2' (H220541-09)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	213	106	200	4.61	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	246	123	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	113 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	118 9	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 65 @ 2' (H220541-10)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 9	59.5-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 66 @ 2' (H220541-11)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	107 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120 9	% 59.5-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 67 @ 2' (H220541-12)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 68 @ 2' (H220541-13)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/14/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	113 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	127	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 69 @ 2' (H220541-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.10	105	2.00	2.10	
Toluene*	<0.050	0.050	02/12/2022	ND	2.07	103	2.00	1.84	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.98	99.1	2.00	2.88	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.16	103	6.00	2.70	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	107	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119 9	% 59.5-14	2						

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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 70 @ 2' (H220541-15)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	102 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	114 9	59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 71 @ 1' (H220541-16)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	106 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	118 9	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 72 @ 1' (H220541-17)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	2						

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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:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 73 @ 1' (H220541-18)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	107	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 74 @ 1' (H220541-19)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	109	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	122	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 75 @ 1' (H220541-20)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	116 9	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 76 @ 1' (H220541-21)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	118 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 77 @ 1' (H220541-22)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	115 9	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 78 @ 1' (H220541-23)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	116	% 59.5-14	2						

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\*=Accredited Analyte

Celeg D. Keine

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:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 79 @ 1' (H220541-24)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	106	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119 9	% 59.5-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 80 @ 1' (H220541-25)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	110 9	% 59.5-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

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:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 81 @ 2' (H220541-26)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	103 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	114 9	% 59.5-14	2						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 82 @ 2' (H220541-27)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	105 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	115 9	59.5-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 83 @ 2' (H220541-28)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	117 9	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 84 @ 2' (H220541-29)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	201	100	200	0.838	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	201	101	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					
Surrogate: 1-Chlorooctane	106	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	118	% 59.5-14	2						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 85 @ 2' (H220541-30)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 86 @ 2' (H220541-31)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 87 @ 2' (H220541-32)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	106 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	117 9	59.5-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 88 @ 2' (H220541-33)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	107	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119 9	% 59.5-14	2						

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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 89 @ 2' (H220541-34)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.07	104	2.00	1.76	
Toluene*	<0.050	0.050	02/12/2022	ND	2.05	102	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	1.97	98.7	2.00	1.96	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.15	102	6.00	1.43	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 9	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 90 @ 2' (H220541-35)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.11	105	2.00	2.41	
Toluene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.95	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.87	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.50	108	6.00	2.74	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	114 9	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 91 @ 2' (H220541-36)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.11	105	2.00	2.41	
Toluene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.95	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.87	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.50	108	6.00	2.74	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	108 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120 9	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 92 @ 2' (H220541-37)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.11	105	2.00	2.41	
Toluene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.95	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.87	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.50	108	6.00	2.74	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	112 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	124 9	% 59.5-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 93 @ 2' (H220541-38)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.11	105	2.00	2.41	
Toluene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.95	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.87	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.50	108	6.00	2.74	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	109	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	2						

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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 94 @ 2' (H220541-39)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.11	105	2.00	2.41	
Toluene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.95	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.87	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.50	108	6.00	2.74	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/10/2022	Sampling Date:	02/10/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	RED HILLS WEST #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

# Sample ID: B 95 @ 2' (H220541-40)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2022	ND	2.11	105	2.00	2.41	
Toluene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.95	
Ethylbenzene*	<0.050	0.050	02/12/2022	ND	2.08	104	2.00	2.87	
Total Xylenes*	<0.150	0.150	02/12/2022	ND	6.50	108	6.00	2.74	
Total BTEX	<0.300	0.300	02/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2022	ND	192	96.0	200	3.13	
DRO >C10-C28*	<10.0	10.0	02/14/2022	ND	197	98.6	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

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

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Page 43 of 46

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Laboratories CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 -----

	(575) 393-2326 FAX (575) 393-24	10	BILL TO				ANALYSIS	REQUEST	_
Company Name: Project Manager:	Diplino bours		P.O. #:						
	Justin B.		Company:						
Address:	State: \ \\	Rip: 88240	Attn:						
city: Holda	Fax #:		Address:						
Phone #:	Project Owner		City:						
Project #:			State: Zip:						
Project Name: Project Location	PertHills yest,	年1	Phone #:						
Sampler Name:	Second Standard	Lison ousle	Aax #:						
FOR LAB USE ONLY	Jose Gutterine	MATRIX	OPRESERV. SAMPL	ING	I				
Lab I.D. Hzz0.541	Sample I.D.	(G)RAB,OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : atra	TIME	Ext T	RIEX			
100071	B56 02'		1 9/10	11:08	XX	X			
Z	B57 82'			11:10	111	1			
3	B58 Q9			11:12	111				
4	BSY @ ?'			0110					_
5	860 03			11:18					
6	B61 02'			11120					
8	B62 02' B63 02'			11:02					
9	B63 07' B64 07'			11:24					
1	O.C.	1		11:26	j ,	1			
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service. In no event shall C	ing those for negligence and any other cause whatsoever shall b Cardinal be liable for incidental or consequental damages, includi sing out of or related to the performance of services hereunder by	Cardinal, regardless of whether such cl	claim is based upon any of the above stated re-	asons or otherwise		s 🗆 N	o Add'l Phor	ne #:	
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinall

Page 185 of 188

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 44 of 46

101 East Marland, Hobbs, NM 88240

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PLEASE NOTE: Liability and Damages. Car	GI dinal's liability and client's exclusive remedy for gence and any other cause whatsoever shall b	any clair e deeme	m arisin d waive	g whethe	made	in writin	ntract ong and	or tort, si receive	d by Cardin	ited to nal wi	the amount pi ithin 30 days all offer incurred by	ter completion of	f the applic liaries.	able								
service. In no event shall Cardinal be liable 1 affiliates or successors arising out of or relate Refinctuished By	gence and any other cause whatsoever shall be or incidental or consequental damages, included ad to the performance of services hereunder be Date: Date: Time: 50	Re	il, regar	diess of v vech B	viethe	ar such	claim i	is based	upon any	of the	e above stated	Verbal R	Result:	□ Y emailed	I. Plea	No se pro	Add'l P vide Ema	il addres	is:			
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (FTE) 202 2220 EAV (FTE) 202 2470

Company Name	(5/5) 393-2326 FAX (5/5) 39		_			-				E	3/1	L TO					A	NAL	YSIS	S RE	QUE	ST		
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FOR LAB USE ONLY				-	M	ATRI	X	-	PR	ESER	۲V.	SAM	PLING											
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**CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: D	iamone Bade		BI	LL TO		ANALYSIS REQUEST
Project Manager: )	stin R.		P.O. #:			
Address:			Company:		1	
city: Hobbs	State: NU	L Zip: 88240	Attn:			
Phone #:	Fax #:		Address:		1	
Project #:	Project Own	er:	City:			
Project Name:				Zip:		
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LEASE NOTE: Liability and Damages	Cardinal's liability and client's exclusive remedy for	any claim arising whether based in contract	t or fort shall be limited to	1 7:58		
naryses. All claims including those for ervice. In no event shall Cardinal be lia	negligence and any other cause whatsoever shall be bible for incidental or consequental damages, includir related to the performance of services hereunder by Date: Date: Date: Date: Date:	deemed waived unless made in writing an o without limitation, business interruptions.	Id received by Cardinal wit	hin 30 days after completion of th fits incurred by client, its subsidiari above stated reasons or otherwis Verbal Res	e applicable ies, ie. sult:	□ No Add'I Phone #: ease provide Email address:
Delivered By: (Circle On Sampler - UPS - Bus - C PORM-006 R 3.2 10	Other: Corrected Temp. °C	3.9 Sample Condit   Cool Intact   3.4 Yes   No No	s (Initia	Thermomete	Rus	sh Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes Nc No Corrected Temp. °C

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	99219
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Going forward, please list analytes tested on top row of table.	5/18/2022

Action 99219