

**Mewbourne Oil Co
Zircon 1 State #002H
NAPP2124558682**

Final Remediation Report

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.694701 _____ Longitude -104.020822 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Zircon 1 St #2H SWD Line	Site Type	Pipeline
Date Release Discovered	8/30/2021	API# (if applicable)	30-015-39833

Unit Letter	Section	Township	Range	County
A	1	19S	29E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Estimated 175	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release


A poly water line developed a leak

Incident ID	
District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was over 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given by Robbie Runnels to Cristina Eads on 8/30/2021 @ 11:32AM via email.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Connor Walker</u>	Title: <u>Sr. Engineer</u>
Signature: 	Date: <u>9/02/2021</u>
email: <u>cwalker@mewbourne.com</u>	Telephone: <u>806-202-5281</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>115'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

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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. EngineerSignature:  Date: 2/14/2022email: cwalker@mewbourne.com Telephone: 806-202-5281**OCD Only**

Received by: _____ Date: _____

Incident ID	
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Application ID	

Closure

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

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

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

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

Printed Name: Connor Walker Title: Sr. Engineer

Signature: 

Date: 2/14/2022

email: cwalker@mewbourne.com

Telephone: 806-202-5281

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 03/04/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Introduction

This report presents the results of remediation activities at the Zircon 1 State #2H SWD Line. On behalf of Mewbourne Oil Company (Mewbourne), Diamondback Disposal Services, Inc (Diamondback) was tasked with the cleanup and remediation of release NAPP2124558682. The release occurred in Unit Letter A, Section 1, Township 19S, Range 29E at coordinates 32.694701, -104.020822. 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 State of New Mexico lease land, consisting of grass, prairie, or range lands. Approximately 175 barrels of produced water was lost with 0 barrels bbls being recovered, due to a poly water line developing a leak.

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 and, as such, a soil boring was drilled approximately 250 feet Southwest of the release site. The soil boring was advanced to a depth of approximately 115 feet bgs and subsequently gauged for the presence of groundwater. No groundwater was present to the total depth of the boring at 115 feet bgs. A summary report of the soil boring and ground water measurement activities is provided (Figure 1). Therefore, Table 1 Closure Criteria for ground water depth of greater than 100 feet will be utilized. The Recommended Remediation Action Levels (RRAL) determined by the latest NMOCD guidelines (19.15.29 NMAC) are as follows: 20,000 mg/kg Chloride, 2,500 mg/kg GRO+DRO+MRO, 1,000 mg/kg GRO+DRO, 50 mg/kg BTEX, 10mg/kg Benzene.

Remediation Activities

Between the dates of October 19, 2021, and December 20, 2021, Diamondback excavated approximately 2,468 cubic yards (cy) of impacted material, loaded, and transported to R-360 Halfway Facility for disposal. Depth of excavation ranges from approximately 1-foot bgs to 4 feet bgs. Between the dates of October 30, 2021, and December 17, 2021, the site was sampled to determine if RRAL's had been met. Five-point composite samples were collected, every 200 square feet of side wall and 200 square feet of floor area, packaged and delivered to a third-party lab, with chain of custody for testing as per regulatory standards. (See attached analytical). Upon review of analytical, most all wall samples prove to be below Table 1 RRAL's for site closure. At locations where side wall soil sample results exceeded 600 mg/kg (NMOCD reclamation criteria for soils to a depth of 4 feet bgs), these areas were over excavated and resampled. Being the excavation was 4 feet bgs, a review of floor analytical indicated that Table 1 RRAL's as well as restoration and reclamation closure criteria have been met.

On December 28, 2021, backfilling began and ran thru December 30, 2021. Approximately 2,220 cy of "Like Material" was obtained from a local private source. Backfill was placed in a manner to promote compaction, crowned, and sloped to promote storm water runoff and erosion prevention. Excavated pasture area, including unexcavated disturbed areas, will be seeded during the next optimal growing season with seed mix approved by BLM.

Conclusions

Upon review of all analytical provided by the third-party independent lab, results indicated that all recommended remediation action levels and restoration/reclamation criteria were met for all excavated areas. On behalf of Mewbourne Oil Company we respectfully request the NMOCD grant closure approval for the Zircon 1 State #002H SWD Line release.

Figure 1


OSE POD Location Map



12/15/2021, 1:57:49 PM

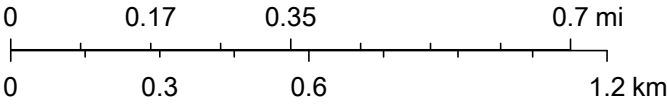
 OSE District Boundary

New Mexico State Trust Lands

 Both Estates

 SiteBoundaries

1:18,056



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



2620 W. Marland Blvd.
Hobbs, New Mexico 88240
Kyle Norman ~ knorman@tasman-geo.com

January 7, 2022

Mr. Robbie Runnels
Mewbourne Oil Company
P.O. Box 5270
Hobbs, New Mexico 88241

Re: Zircon 1 St #2H SWD Line

Mr. Robbie Runnels,

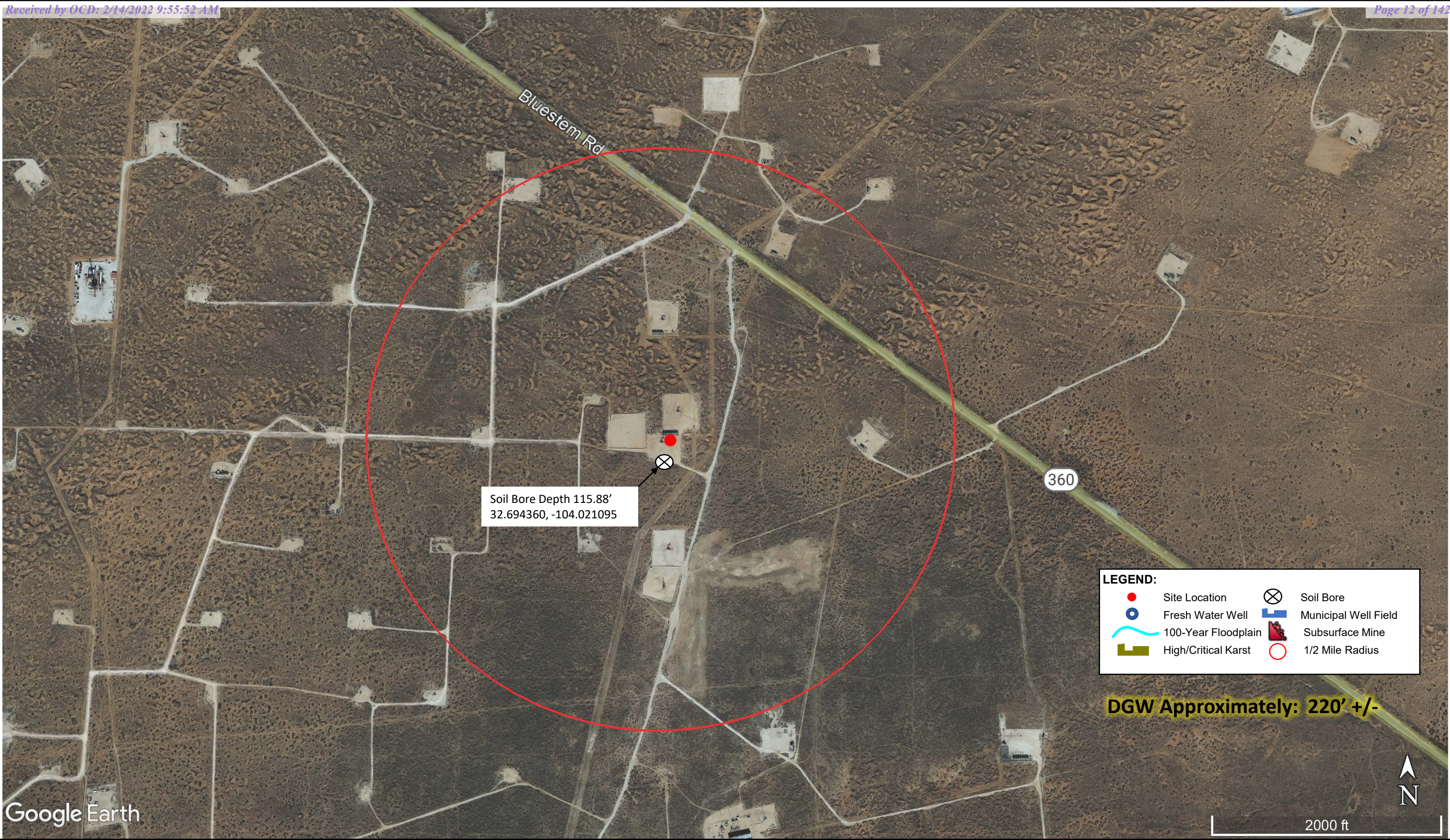
On Monday December 27, 2021, soil boring SB-1 at the Zircon 1 St #2H SWD Line, located in Eddy County T19S, R29E, Sec 1 Unit Letter A, was checked with a Solinst Interface Meter for water accumulation within the borehole. On January 6, 2022, post drilling of SB-1 the interface meter detected no water within the borehole at a total depth of 115.88 feet below ground surface (bgs).


Sincerely,
Tasman Geosciences

Kyle Norman
Project Manager

Attachments:

Figure 1 – Soil Bore Location Map
Appendix A – Photo Documentation



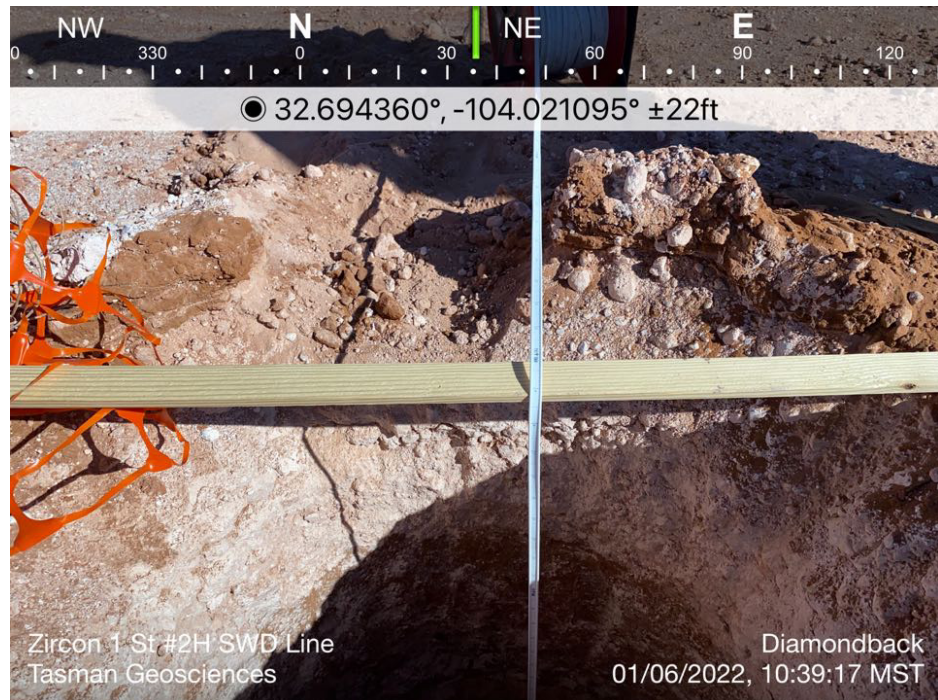
DATE: January 2022	 <p>TASMAN GEOSCIENCES</p> <p><i>Tasman Geosciences, Inc. 2620 W. Marland Blvd. Hobbs, NM 88240</i></p>	<p>Mewbourne Oil Company Zircon 1St #2HSWD Line GPS: 32.694701, -104.020822 UL "A", Section 1, Township 19 South, Range 29 East Eddy County, New Mexico</p>	<p>Site Characteristics Map</p>	<p>Figure 1</p>
DESIGNED BY : BG				
DRAWN BY: BG				

MOC

Zircon 1 St #2H SWD Line



Total Depth of Soil Bore 115.88 Feet



Total Depth of Soil Bore 115.88 Feet

TABLE 1
MEWBORNE OIL COMPANY
ZIRCON STATE # 2H SWD LINE

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	SAMPLE LOCATION	LAB ID NUMBER	SAMPLE DEPHT	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/ kg	ETHYL-BENZEN (mg/ kg)	TOTAL XYLENES mg/kg	TOTAL BTX (mg/kg)	GRO C 6-C 10 (mg/kg)	DRO C 6-C 10 (mg/kg)	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
2	W-1 WALL W-1 WALL	H213104-34 H213659-01	1-4' 1/4	10-30-21 12-17-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.050	<0.300 <0.300	<10.0 <10.0	10.4 <10.0	21.0 <10.0	31.4 <10.0	1280 320
3	W-2 WALL W-2 WALL	H213104-35 H213659-02	1-4' 1-4'	10-30-21 12-17-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	880 304
4	W-3 WALL W-3 WALL	H213104-36 H213659-03	1-4' 1-4'	10-30-21 12-17-21	COMP COMP	<0.050 <0.50	<0.050 <0.580	<0.050 <0.50	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	960 288
5	W-4 WALL W-4 WALL	H213104-37 H213159-04	1-4' 1-4'	10-30-21 12-17-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	672 304
6	W-5 WALL W-5 WALL	H213104-38 H2213159-05	1-4' 1-4'	10-30-21 12-17-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	1090 304
7	W-6 WALL W-6 WALL	H213104-39 H213159-06	1-4' 1-4'	10-30-21 12-17-21	COMP COMP	<0.050 <0.050	<0.050 <0.50	<0.050 <0.50	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	10.7 <10.0	<10.0 <10.0	864 336
8	W-7 WALL W-7 WALL	H213104-40 H213159-07	1-4' 1-4'	10-30-21 12-17-21	COMP COMP	<0.050 <0.50	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	1170 80.0
9	W-8 WALL W-8 WALL	H213104-41 H213659-08	1-4' 1-4'	10-30-21 12-17-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.50	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	1420 80.0
10	W-9 WALL W-9 WALL	H213104-42 H213659-09	1-4' 1-4'	10-30-21 12-17-21	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	32.0 <10.0	11.1 <10.0	13.1 <10.0	2920 48.0
11	W-10 WALL	H213163-01	0-1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
12	W-11 WALL	H213163-02	0-1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
13	W-12 WALL	H213163-03	0-1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
14	B- 1 FLOOR	H213104-01	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1470
15	B- 2 FLOOR	H213104-02	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	816
16	B- 3 FLOOR	H213104-03	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
17	B- 4 FLOOR	H213104-04	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1040
18	B- 5 FLOOR	H213104-05	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	736
19	B- 6 FLOOR	H213104-06	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	816
20	B- 7 FLOOR	H213104-07	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1250
21	B- 8 FLOOR	H213104-08	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1220
22	B- 9 FLOOR	H213104-09	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2720
23	B- 10 FLOOR	H213104-10	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.8	<10.0	11.8	3960
24	B- 11 FLOOR	H213104-11	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4640
25	B-12 FLOOR	H213104-12	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.8	<10.0	12.8	4160
26	B- 13 FLOOR	H213104-13	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4480
27	B- 14 FLOOR	H213104-14	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.5	<10.0	19.5	4320
28	B- 15 FLOOR	H213104-15	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	95.0	19.9	114.9	3840
29	B- 16 FLOOR	H213104-16	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4720
30	B- 17 FLOOR	H213104-17	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4640
31	B- 18 FLOOR	H213104-18	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4480

TABLE 1
MEWBOURNE OIL COMPANY
ZIRCON1 STATE # 2H SWD LINE

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
32	B- 19 FLOOR	H213104-19	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	15200
33	B- 20 FLOOR	H213104-20	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.2	<10.0	23.2	3120
34	B- 21 FLOOR	H213104-21	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	14.8	821.0	208	9043.8	15000
35	B- 22 FLOOR	H213104-22	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.7	<10.0	15.7	11200
36	B- 23 FLOOR	H213104-23	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6400
37	B- 24 FLOOR	H213104-24	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.3	<10.0	28.3	12800
38	B- 25 FLOOR	H213104-25	4'	10-30-21	COMP	<0.050	0.398	0.962	3.15	4.51	76.3	907	163	1146.3	10800
39	B- 26 FLOOR	H213104-26	4'	10-30-21	COMP	<0.050	0.265	0.749	2.47	3.48	32.2	373	59.6	464.8	9600
40	B- 27 FLOOR	H213104-27	4'	10-30-21	COMP	<0.050	0.109	0.394	1.46	1.96	76.0	999	193	1268	13300
41	B- 28 FLOOR	H213104-28	4'	10-30-21	COMP	<0.050	0.387	1.16	3.82	5.37	95.3	944	210	1249.3	13300
42	B- 29 FLOOR	H213104-29	4'	10-30-21	COMP	<0.050	0.209	0.467	1.48	2.15	16.6	226	71.5	314.1	12600
43	B- 30 FLOOR	H213104-30	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	187	55.0	242	11100
44	B-31 FLOOR	H213104-31	4'	10-30-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.6	12.1	87.7	7040
45	B- 32 FLOOR	H213104-32	4'	10-30-21	COMP	<0.050	0.68	0.268	0.942	1.28	22.6	383	90.5	496.1	8600
46	B- 33 FLOOR	H213104-33	4'	10-30-21	COMP	<0.050	0.374	0.732	2.26	3.36	93.7	914	197	1204.7	15400
47	B- 34 FLOOR	H213163-04	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
48	B- 35 FLOOR	H213163-05	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
49	B- 36 FLOOR	H213163-06	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
50	B- 37 FLOOR	H213163-07	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
51	B- 38 FLOOR	H213163-08	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
52	B- 39 FLOOR	H213163-09	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
53	B- 40 FLOOR	H213163-10	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
54	B- 41 FLOOR	H213163-11	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
55	B- 42 FLOOR	H213163-12	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
56	B- 43 FLOOR	H213163-13	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
57	B- 44 FLOOR	H213163-14	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
58	B- 45 FLOOR	H213163-15	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
59	B- 46 FLOOR	H213163-16	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
60	B- 47 FLOOR	H213163-17	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
61	B- 48 FLOOR	H213163-18	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
62	B- 49 FLOOR	H213163-19	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
63	B- 50 FLOOR	H213163-20	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
64	B- 51 FLOOR	H213163-21	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
65	B- 52 FLOOR	H213163-22	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
66	B- 53 FLOOR	H213163-23	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
67	B- 54 FLOOR	H213163-24	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352

TABLE 1
MEWBOURNE OIL COMPANY
ZIRCON1 STATE # 2H SWD LINE

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
68	B- 55 FLOOR	H213163-25	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464
69	B- 56 FLOOR	H213163-26	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
70	B- 57 FLOOR	H213163-27	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
71	B- 58 FLOOR	H213163-28	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
72	B- 59 FLOOR	H213163-29	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
73	B- 60 FLOOR	H213163-30	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
74	B- 61 FLOOR	H213163-31	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
75	B- 62 FLOOR	H213163-32	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
76	B- 63 FLOOR	H213163-33	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
77	B- 64 FLOOR	H213163-34	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
78	B- 65 FLOOR	H213163-35	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464
79	B- 66 FLOOR	H213163-36	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
80	B- 67 FLOOR	H213163-37	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
81	B- 68 FLOOR	H213163-38	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
82	B- 69 FLOOR	H213163-39	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
83	B- 70 FLOOR	H213163-40	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
84	B- 71 FLOOR	H213163-41	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	528
85	B- 72 FLOOR	H213163-42	1'	11-6-21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496

Legend

- Excavation
- Wall Section Line
- Wall sections



Wall Sample Location Map
Zircon 1 State # 002H
Mewbourne Oil Co.
Eddy County, New Mexico



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



Google Earth

Floor Sections Location Map
Zircon 1 State #002H
Mewbourne Oil Co.
Eddy County, New Mexico



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



☀ 26°NE (T) ● 32°41'41"N, 104°1'13"W ±62ft ▲ 3446ft



17 Dec 2021, 15:07:52



☀ 78°E (T) ● 32°41'41"N, 104°1'13"W ±13ft ▲ 3433ft



17 Dec 2021, 15:08:54



☀ 233°SW (T) ● 32°41'41"N, 104°1'11"W ±13ft ▲ 3425ft



17 Dec 2021, 15:09:28



☀ 310°NW (T) ● 32°41'41"N, 104°1'11"W ±13ft ▲ 3425ft



17 Dec 2021, 15:09:51

S

SW

W

NW

180

210

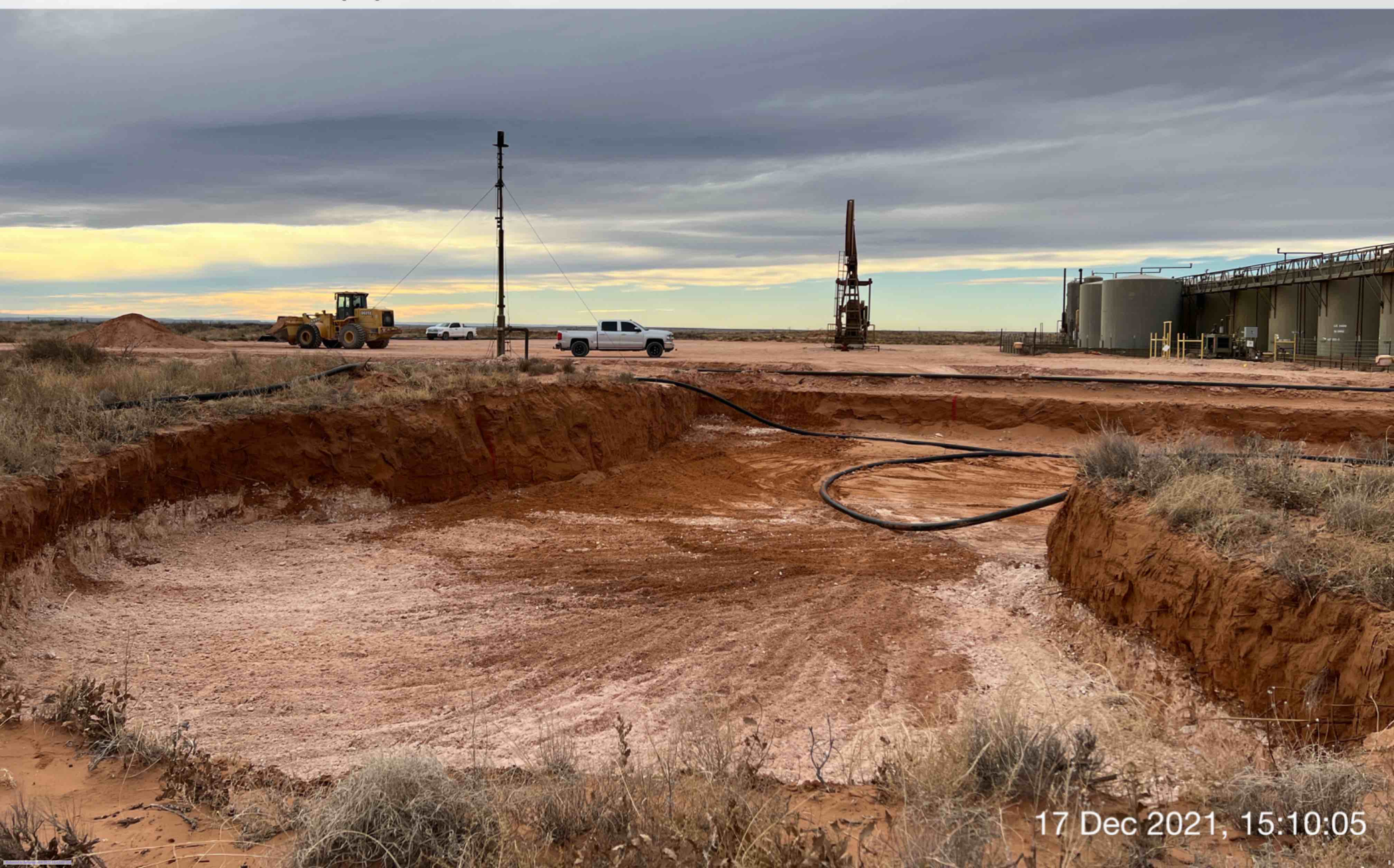
240

270

300

330

☼ 262°W (T) ● 32°41'40"N, 104°1'11"W ±13ft ▲ 3425ft



17 Dec 2021, 15:10:05

W

270

NW

300

330

N

0

NE

30

60

☀ 345°N (T) ● 32°41'40"N, 104°1'12"W ±13ft ▲ 3429ft



17 Dec 2021, 15:10:30



☼ 57°NE (T) ● 32°41'40"N, 104°1'12"W ±13ft ▲ 3427ft



17 Dec 2021, 15:10:33



☀ 19°N (T) ● 32°41'40"N, 104°1'12"W ±13ft ▲ 3429ft



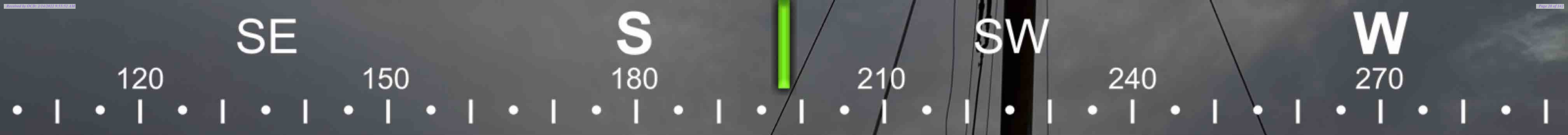
17 Dec 2021, 15:10:35



☼ 310°NW (T) ● 32°41'41"N, 104°1'11"W ±13ft ▲ 3425ft



17 Dec 2021, 15:09:51



☀ 198°S (T) ● 32°41'40"N, 104°1'13"W ±13ft ▲ 3430ft



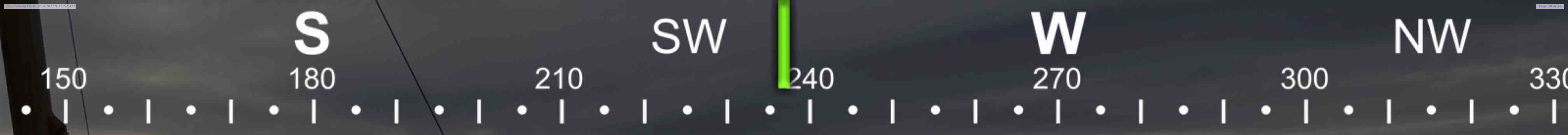
17 Dec 2021, 15:10:48



☀ 354°N (T) ● 32°41'40"N, 104°1'13"W ±13ft ▲ 3428ft



17 Dec 2021, 15:10:51



☉ 237°SW (T) ● 32°41'40"N, 104°1'13"W ±13ft ▲ 3427ft



17 Dec 2021, 15:10:53



☀ 91°E (T) ● 32°41'38"N, 104°1'13"W ±13ft ▲ 3432ft



17 Dec 2021, 15:11:36



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

November 08, 2021

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZIRCON #1 STATE #2H

Enclosed are the results of analyses for samples received by the laboratory on 11/03/21 9:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 1 @ 4' (H213104-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2021	ND	2.25	112	2.00	2.11	
Toluene*	<0.050	0.050	11/03/2021	ND	2.12	106	2.00	2.06	
Ethylbenzene*	<0.050	0.050	11/03/2021	ND	2.18	109	2.00	2.94	
Total Xylenes*	<0.150	0.150	11/03/2021	ND	6.67	111	6.00	3.36	
Total BTX	<0.300	0.300	11/03/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.4 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 2 @ 4' (H213104-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2021	ND	2.25	112	2.00	2.11		
Toluene*	<0.050	0.050	11/03/2021	ND	2.12	106	2.00	2.06		
Ethylbenzene*	<0.050	0.050	11/03/2021	ND	2.18	109	2.00	2.94		
Total Xylenes*	<0.150	0.150	11/03/2021	ND	6.67	111	6.00	3.36		
Total BTEx	<0.300	0.300	11/03/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 3 @ 4' (H213104-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2021	ND	2.25	112	2.00	2.11		
Toluene*	<0.050	0.050	11/03/2021	ND	2.12	106	2.00	2.06		
Ethylbenzene*	<0.050	0.050	11/03/2021	ND	2.18	109	2.00	2.94		
Total Xylenes*	<0.150	0.150	11/03/2021	ND	6.67	111	6.00	3.36		
Total BTEx	<0.300	0.300	11/03/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 4 @ 4' (H213104-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2021	ND	2.25	112	2.00	2.11	
Toluene*	<0.050	0.050	11/03/2021	ND	2.12	106	2.00	2.06	
Ethylbenzene*	<0.050	0.050	11/03/2021	ND	2.18	109	2.00	2.94	
Total Xylenes*	<0.150	0.150	11/03/2021	ND	6.67	111	6.00	3.36	
Total BTX	<0.300	0.300	11/03/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.7 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 5 @ 4' (H213104-05)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	QR-03
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	QR-03
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	QR-03
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTX	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.0 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 6 @ 4' (H213104-06)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281		
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46		
Total BTX	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.7 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 7 @ 4' (H213104-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281		
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.0 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 8 @ 4' (H213104-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281		
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.4 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 9 @ 4' (H213104-09)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281		
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46		
Total BTX	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.8 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 10 @ 4' (H213104-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTX	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3960	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	11.8	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.2 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 11 @ 4' (H213104-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281		
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.0 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 12 @ 4' (H213104-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTEx	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	12.8	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.1 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 13 @ 4' (H213104-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281		
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.6 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 14 @ 4' (H213104-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTEx	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	198	98.8	200	17.3	
DRO >C10-C28*	19.5	10.0	11/04/2021	ND	215	107	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.0 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 15 @ 4' (H213104-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTEx	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	11/04/2021	ND	416	104	400	3.77	QM-07	

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	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	95.0	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	19.9	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.8 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 16 @ 4' (H213104-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281		
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 69.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.8 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 17 @ 4' (H213104-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281		
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 72.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.8 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 18 @ 4' (H213104-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTEx	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 67.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.2 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 19 @ 4' (H213104-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTEx	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15200	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.6 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 20 @ 4' (H213104-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281		
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	23.2	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 21 @ 4' (H213104-21)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	GC-NC
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTX	<0.300	0.300	11/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15000	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.8	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	821	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	208	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.0 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 22 @ 4' (H213104-22)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTX	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	15.7	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.0 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 23 @ 4' (H213104-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTEx	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	<10.0	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 73.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.3 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 24 @ 4' (H213104-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.20	110	2.00	0.281	
Toluene*	<0.050	0.050	11/04/2021	ND	2.12	106	2.00	0.897	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.16	108	2.00	0.787	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.61	110	6.00	1.46	
Total BTEx	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	28.3	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 69.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.7 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 25 @ 4' (H213104-25)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	0.398	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	0.962	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	3.15	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTX	4.51	0.300	11/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	76.3	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	907	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	163	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.2 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 26 @ 4' (H213104-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	0.265	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	0.749	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	2.47	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTEX	3.48	0.300	11/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32.2	10.0	11/04/2021	ND	214	107	200	3.47	
DRO >C10-C28*	373	10.0	11/04/2021	ND	204	102	200	2.28	
EXT DRO >C28-C36	59.6	10.0	11/04/2021	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.2 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 27 @ 4' (H213104-27)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	0.109	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	0.394	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	1.46	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTEX	1.96	0.300	11/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13300	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	76.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	999	10.0	11/05/2021	ND	223	111	200	0.412	QM-07
EXT DRO >C28-C36	193	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 28 @ 4' (H213104-28)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	0.387	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	1.16	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	3.82	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTEX	5.37	0.300	11/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13300	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	95.3	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	944	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	210	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 29 @ 4' (H213104-29)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	0.209	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	0.467	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	1.48	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTX	2.15	0.300	11/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12600	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.6	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	226	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	71.5	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 30 @ 4' (H213104-30)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84		
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11100	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	187	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	55.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.8 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 31 @ 4' (H213104-31)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84		
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132		
Total BTEx	<0.300	0.300	11/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	75.6	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	12.1	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.9 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 32 @ 4' (H213104-32)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	0.068	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	0.268	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	0.942	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTX	1.28	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8600	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.6	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	383	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	90.5	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: B 33 @ 4' (H213104-33)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	0.374	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	0.732	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	2.26	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTX	3.36	0.300	11/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15400	16.0	11/04/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	93.7	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	914	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	197	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 126 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 1 BGS 1-4' (H213104-34)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84		
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	11/04/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	10.4	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	21.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.5 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 2 BGS 1-4' (H213104-35)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTEx	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	11/04/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.4 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 3 BGS 1-4' (H213104-36)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84		
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	11/04/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.1 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 4 BGS 1-4' (H213104-37)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84		
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	11/04/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 5 BGS 1-4' (H213104-38)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84		
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132		
Total BTEx	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	11/04/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 6 BGS 1-4' (H213104-39)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84		
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132		
Total BTX	<0.300	0.300	11/04/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	11/04/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	10.7	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 7 BGS 1-4' (H213104-40)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84		
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664		
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549		
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132		
Total BTEx	<0.300	0.300	11/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	11/04/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 8 BGS 1-4' (H213104-41)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTEx	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	11/04/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.4 % 38.9-142

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Analytical Results For:

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

Received:	11/03/2021	Sampling Date:	10/30/2021
Reported:	11/08/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1 STATE #2H	Sampling Condition:	Cool & Intact
Project Number:	NAPP2124558682	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: W 9 BGS 1-4' (H213104-42)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2021	ND	2.17	108	2.00	2.84	
Toluene*	<0.050	0.050	11/04/2021	ND	2.10	105	2.00	0.664	
Ethylbenzene*	<0.050	0.050	11/04/2021	ND	2.13	107	2.00	0.549	
Total Xylenes*	<0.150	0.150	11/04/2021	ND	6.35	106	6.00	0.132	
Total BTX	<0.300	0.300	11/04/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	11/04/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	32.0	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	11.1	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.0 % 38.9-142

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diamond Rule</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Justin R.</u>		Company: <u>Mubbert</u>					
Address:		Attn: <u>Robbie Runnels</u>					
City: <u>Hobbs</u>		Address:					
State: <u>NM</u> Zip: <u>88240</u>		City:					
Phone #: _____		State:					
Fax #: _____		Zip:					
Project #: <u>WT72124558452</u>		Project Owner: <u>Mubbert</u>					
Project Name:		Phone #:					
Project Location: <u>Cincin #1 St44 #24</u>		Fax #:					
Sampler Name: <u>Joe Rumbold Jr</u>		PRESERV:					
FOR LAB USE ONLY		SAMPLING					
Lab I.D. Sample I.D.		DATE		TIME			
<u>H213104</u>		<u>10-30</u>		<u>9:40</u>			
1 R104		C		X		X	
2 B204		C		X		X	
3 B304		C		X		X	
4 B404		C		X		X	
5 B504		C		X		X	
6 B604		C		X		X	
7 B704		C		X		X	
8 B804		C		X		X	
9 B904		C		X		X	
10 B1004		C		X		X	

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Relinquished By: Joe Rumbold Jr Date: 10-30 Time: 10:30 Received By: Joe Rumbold Jr Date: 11-3-21 Time: 0925

Delivered By: (Circle One) Observed Temp. °C 4.1 Corrected Temp. °C 3.6 Sample Condition: Intact Cool ☒ Yes ☐ No ☐ No

Sampler - UPS - Bus - Other: _____

Turnaround Time: _____ Standard ☒ Rush ☐ Bacteria (only) Sample Condition: Intact Cool ☒ Yes ☐ No ☐ No Corrected Temp. °C _____

Thermometer ID #113 Correction Factor -0.5°C

Remarks: See attached 13 @ email, com
Diamond Rule 24th yahoo.com

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

All Results are emailed. Please provide Email address: _____

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diamond Back</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Justin R.</u>		Company:					
Address:		Attn:					
City: <u>Hobbs</u>		Address:					
State: <u>NM</u> Zip: <u>88240</u>		City:					
Phone #:		State:		Zip:			
Project #:		Phone #:					
Project Name:		Fax #:					
Project Location: <u>Circo #1</u>							
Sampler Name: <u>de Puseba Jr.</u>							
FOR LAB USE ONLY							
Lab I.D.		Sample I.D.					
<u>H213104</u>							
11 <u>B11 04'</u>		<input checked="" type="checkbox"/> (G)RAB OR <input checked="" type="checkbox"/> (C)OMP					
12 <u>B12 04'</u>		<input type="checkbox"/> # CONTAINERS					
13 <u>B13 04'</u>		GROUNDWATER					
14 <u>B14 04'</u>		WASTEWATER					
15 <u>B15 04'</u>		<input checked="" type="checkbox"/> SOIL					
16 <u>B16 04'</u>		OIL					
17 <u>B17 04'</u>		SLUDGE					
18 <u>B18 04'</u>		OTHER:					
19 <u>B19 04'</u>		ACID/BASE:					
20 <u>B20 04'</u>		<input checked="" type="checkbox"/> COOL					
		OTHER:					
		DATE		TIME			
		10-30		10:28			
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
		10:30		10:58			
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
		11:00		11:02			
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
		11:04		11:06			
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
		11:08		11:28			
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
		11:30		11:30			
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			

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Relinquished By: [Signature] Date: 10-30 Time: 10:00

Received By: [Signature] Date: 11-3-21 Time: 09:25

Delivered By: (Circle One) Observed Temp. °C 41.1 Corrected Temp. °C 3.6

Sampler - UPS - Bus - Other: UPS

Thermometer ID #113 Correction Factor None Standard Rush Bacteria (only) Sample Condition Observed Temp. °C

Remarks: CL Ext TPH BTEX

Verbal Result: ☐ Yes ☐ No Add'l Phone #: 40.

All Results are emailed. Please provide Email address: Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diagnosis & Back</u> Project Manager: <u>Justin R.</u> Address: City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: Fax #: Project #: Project Owner: Project Name: Project Location: <u>Zircon #1</u> Sampler Name: <u>Don Causwell</u>		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
FOR LAB USE ONLY Lab I.D. <u>H213104</u> Sample I.D. Relinquished By: <u>Don Causwell</u> Date: <u>10-30</u> Time: <u>16:00</u> Received By: <u>Don Causwell</u> Date: <u>10-30</u> Time: <u>16:00</u> Relinquished By: <u>Don Causwell</u> Date: <u>10-30</u> Time: <u>16:00</u> Received By: <u>Don Causwell</u> Date: <u>10-30</u> Time: <u>16:00</u> Delivered By: (Circle One) <u>Observed</u> Temp. °C <u>4.1</u> Corrected Temp. °C <u>3.6</u> Sampler - UPS - Bus - Other: <u>Corrected</u> Temp. °C <u>3.6</u>		MATRIX <input checked="" type="checkbox"/> (G)RAB OR (C)OMP. <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: <input checked="" type="checkbox"/> ACID/BASE: <input checked="" type="checkbox"/> (CE) COOL <input type="checkbox"/> OTHER:		SAMPLING DATE TIME <u>10-30</u> <u>2:10</u> <u>10-30</u> <u>2:12</u> <u>10-30</u> <u>2:15</u> <u>10-30</u> 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<u>10-30</u> <u>14:09</u> <u>10-30</u> <u>14:12</u> <u>10-30</u> <u>14:15</u> <u>10-30</u> <u>14:18</u> <u>10-30</u> <u>14:21</u> <u>10-30</u> <u>14:24</u> <u>10-30</u> <u>14:27</u> <u>10-30</u> <u>14:30</u> <u>10-30</u> <u>14:33</u> <u>10-30</u> <u>14:36</u> <u>10-30</u> <u>14:39</u> <u>10-30</u> <u>14:42</u> <u>10-30</u> <u>14:45</u> <u>10-30</u> <u>14:48</u> <u>10-30</u> <u>14:51</u> <u>10-30</u> <u>14:54</u> <u>10-30</u> <u>14:57</u> <u>10-30</u> <u>15:00</u> <u>10-30</u> <u>15:03</u> <u>10-30</u> <u>15:06</u> <u>10-30</u> <u>15:09</u> <u>10-30</u> <u>15:12</u> <u>10-30</u> <u>15:15</u> <u>10-30</u> <u>15:18</u> <u>10-30</u> <u>15:21</u> <u>10-30</u> <u>15:24</u> <u>10-30</u> <u>15:27</u> <u>10-30</u> <u>15:30</u> <u>10-30</u> <u>15:33</u> <u>10-30</u> <u>15:36</u> <u>10-30</u> <u>15:39</u> <u>10-30</u> <u>15:42</u> <u>10-30</u> <u>15:45</u> <u>10-30</u> <u>15:48</u> <u>10-30</u> <u>15:51</u> <u>10-30</u> <u>15:54</u> <u>10-30</u> <u>15:57</u> <u>10-30</u> <u>16:00</u> <u>10-30</u> 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<u>10-30</u> <u>18:00</u> <u>10-30</u> <u>18:03</u> <u>10-30</u> <u>18:06</u> <u>10-30</u> <u>18:09</u> <u>10-30</u> <u>18:12</u> <u>10-30</u> <u>18:15</u> <u>10-30</u> <u>18:18</u> <u>10-30</u> <u>18:21</u> <u>10-30</u> <u>18:24</u> <u>10-30</u> <u>18:27</u> <u>10-30</u> <u>18:30</u> <u>10-30</u> <u>18:33</u> <u>10-30</u> <u>18:36</u> <u>10-30</u> <u>18:39</u> <u>10-30</u> <u>18:42</u> <u>10-30</u> <u>18:45</u> <u>10-30</u> <u>18:48</u> <u>10-30</u> <u>18:51</u> <u>10-30</u> <u>18:54</u> <u>10-30</u> <u>18:57</u> <u>10-30</u> <u>19:00</u> <u>10-30</u> <u>19:03</u> <u>10-30</u> <u>19:06</u> <u>10-30</u> <u>19:09</u> <u>10-30</u> <u>19:12</u> <u>10-30</u> <u>19:15</u> <u>10-30</u> <u>19:18</u> <u>10-30</u> <u>19:21</u> <u>10-30</u> <u>19:24</u> <u>10-30</u> <u>19:27</u> <u>10-30</u> <u>19:30</u> <u>10-30</u> <u>19:33</u> <u>10-30</u> <u>19:36</u> <u>10-30</u> <u>19:39</u> <u>10-30</u> <u>19:42</u> <u>10-30</u> <u>19:45</u> <u>10-30</u> <u>19:48</u> <u>10-30</u> <u>19:51</u> <u>10-30</u> <u>19:54</u> <u>10-30</u> <u>19:57</u> <u>10-30</u> <u>20:00</u> <u>10-30</u> <u>20:03</u> <u>10-30</u> <u>20:06</u> <u>10-30</u> <u>20:09</u> <u>10-30</u> <u>20:12</u> <u>10-30</u> <u>20:15</u> <u>10-30</u> <u>20:18</u> <u>10-30</u> <u>20:21</u> <u>10-30</u> <u>20:24</u> <u>10-30</u> <u>20:27</u> <u>10-30</u> <u>20:30</u> <u>10-30</u> <u>20:33</u> <u>10-30</u> <u>20:36</u> <u>10-30</u> <u>20:39</u> <u>10-30</u> <u>20:42</u> <u>10-30</u> <u>20:45</u> <u>10-30</u> <u>20:48</u> <u>10-30</u> <u>20:51</u> <u>10-30</u> <u>20:54</u> <u>10-30</u> <u>20:57</u> <u>10-30</u> <u>21:00</u> <u>10-30</u> <u>21:03</u> <u>10-30</u> <u>21:06</u> <u>10-30</u> <u>21:09</u> <u>10-30</u> <u>21:12</u> <u>10-30</u> <u>21:15</u> <u>10-30</u> <u>21:18</u> <u>10-30</u> <u>21:21</u> <u>10-30</u> <u>21:24</u> <u>10-30</u> <u>21:27</u> <u>10-30</u> <u>21:30</u> <u>10-30</u> <u>21:33</u> <u>10-30</u> <u>21:36</u> <u>10-30</u> <u>21:39</u> <u>10-30</u> <u>21:42</u> <u>10-30</u> <u>21:45</u> <u>10-30</u> <u>21:48</u> <u>10-30</u> <u>21:51</u> <u>10-30</u> <u>21:54</u> <u>10-30</u> <u>21:57</u> <u>10-30</u> <u>22:00</u> <u>10-30</u> <u>22:03</u> <u>10-30</u> <u>22:06</u> <u>10-30</u> <u>22:09</u> <u>10-30</u> <u>22:12</u> <u>10-30</u> <u>22:15</u> <u>10-30</u> <u>22:18</u> <u>10-30</u> <u>22:21</u> <u>10-30</u> <u>22:24</u> <u>10-30</u> <u>22:27</u> <u>10-30</u> <u>22:30</u> <u>10-30</u> <u>22:33</u> <u>10-30</u> <u>22:36</u> <u>10-30</u> <u>22:39</u> <u>10-30</u> <u>22:42</u> <u>10-30</u> <u>22:45</u> <u>10-30</u> <u>22:48</u> <u>10-30</u> <u>22:51</u> <u>10-30</u> <u>22:54</u> <u>10-30</u> <u>22:57</u> <u>10-30</u> <u>23:00</u> <u>10-30</u> <u>23:03</u> <u>10-30</u> <u>23:06</u> <u>10-30</u> <u>23:09</u> <u>10-30</u> <u>23:12</u> <u>10-30</u> <u>23:15</u> <u>10-30</u> <u>23:18</u> <u>10-30</u> <u>23:21</u> <u>10-30</u> <u>23:24</u> <u>10-30</u> <u>23:27</u> <u>10-30</u> <u>23:30</u> <u>10-30</u> <u>23:33</u> <u>10-30</u> <u>23:36</u> <u>10-30</u> <u>23:39</u> <u>10-30</u> <u>23:42</u> <u>10-30</u> <u>23:45</u> <u>10-30</u> <u>23:48</u> <u>10-30</u> <u>23:51</u> <u>10-30</u> <u>23:54</u> <u>10-30</u> <u>23:57</u> <u>10-30</u> <u>24:00</u> <u>10-30</u> <u>24:03</u> <u>10-30</u> <u>24:06</u> <u>10-30</u> <u>24:09</u> <u>10-30</u> <u>24:12</u> <u>10-30</u> <u>24:15</u> <u>10-30</u> <u>24:18</u> <u>10-30</u> <u>24:21</u> <u>10-30</u> <u>24:24</u> <u>10-30</u> <u>24:27</u> <u>10-30</u> <u>24:30</u> <u>10-30</u> <u>24:33</u> <u>10-30</u> <u>24:36</u> <u>10-30</u> <u>24:39</u> <u>10-30</u> <u>24:42</u> <u>10-30</u> <u>24:45</u> <u>10-30</u> <u>24:48</u> <u>10-30</u> <u>24:51</u> <u>10-30</u> <u>24:54</u> <u>10-30</u> <u>24:57</u> <u>10-30</u> <u>25:00</u> <u>10-30</u> <u>25:03</u> <u>10-30</u> <u>25:06</u> <u>10-30</u> <u>25:09</u> <u>10-30</u> <u>25:12</u> <u>10-30</u> <u>25:15</u> <u>10-30</u> <u>25:18</u> <u>10-30</u> <u>25:21</u> <u>10-30</u> <u>25:24</u> <u>10-30</u> <u>25:27</u> <u>10-30</u> <u>25:30</u> <u>10-30</u> <u>25:33</u> <u>10-30</u> <u>25:36</u> <u>10-30</u> <u>25:39</u> <u>10-30</u> <u>25:42</u> <u>10-30</u> <u>25:45</u> <u>10</u>	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

November 11, 2021

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZIRCON #1

Enclosed are the results of analyses for samples received by the laboratory on 11/08/21 14:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 10 BGS 0-1' (H213163-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29	
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88	
Total BTEX	<0.300	0.300	11/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.1 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 11 BGS 0-1' (H213163-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29		
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88		
Total BTEx	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 12 BGS 0-1' (H213163-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29		
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88		
Total BTEx	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/11/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 34 @ 1' (H213163-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29	
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88	
Total BTX	<0.300	0.300	11/09/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/11/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 35 @ 1' (H213163-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29	
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88	
Total BTX	<0.300	0.300	11/09/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/09/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.8 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 36 @ 1' (H213163-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29		
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88		
Total BTEx	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/09/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 92.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 37 @ 1' (H213163-07)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29		
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88		
Total BTX	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.4 % 38.9-142

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Analytical Results For:

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

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/11/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 38 @ 1' (H213163-08)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29		
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88		
Total BTX	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/09/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.7 % 38.9-142

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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 39 @ 1' (H213163-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29		
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88		
Total BTEx	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.8 % 38.9-142

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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 40 @ 1' (H213163-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.98	98.8	2.00	5.29		
Toluene*	<0.050	0.050	11/09/2021	ND	1.92	96.1	2.00	5.63		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.89	94.5	2.00	5.92		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.73	95.4	6.00	5.88		
Total BTEx	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 38.9-142

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Analytical Results For:

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

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/11/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 41 @ 1' (H213163-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 42 @ 1' (H213163-12)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96	
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31	
Total BTX	<0.300	0.300	11/09/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/09/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.8 % 38.9-142

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Analytical Results For:

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

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/11/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 43 @ 1' (H213163-13)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTX	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	187	93.3	200	5.59	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	193	96.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 70.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.0 % 38.9-142

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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 44 @ 1' (H213163-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/09/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 45 @ 1' (H213163-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96	
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31	
Total BTX	<0.300	0.300	11/09/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/09/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 69.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 46 @ 1' (H213163-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTX	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	11/09/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 69.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 47 @ 1' (H213163-17)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96	
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31	
Total BTX	<0.300	0.300	11/09/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/09/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.6 % 38.9-142

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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 48 @ 1' (H213163-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	11/09/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.3 % 38.9-142

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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 49 @ 1' (H213163-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	11/09/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.9 % 38.9-142

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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 50 @ 1' (H213163-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/09/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.1 % 38.9-142

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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 51 @ 1' (H213163-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	11/09/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 52 @ 1' (H213163-22)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96	
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31	
Total BTX	<0.300	0.300	11/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/09/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.5 % 38.9-142

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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: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 53 @ 1' (H213163-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 73.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 54 @ 1' (H213163-24)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96	
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31	
Total BTX	<0.300	0.300	11/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 55 @ 1' (H213163-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 56 @ 1' (H213163-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 57 @ 1' (H213163-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 73.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 58 @ 1' (H213163-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 69.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 59@ 1' (H213163-29)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96	
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31	
Total BTX	<0.300	0.300	11/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 60 @ 1' (H213163-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	1.90	95.1	2.00	6.96		
Toluene*	<0.050	0.050	11/09/2021	ND	1.91	95.5	2.00	5.28		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	1.83	91.7	2.00	5.29		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	5.53	92.2	6.00	5.31		
Total BTEx	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 73.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 61 @ 1' (H213163-31)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753		
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463		
Total BTEX	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/10/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 62 @ 1' (H213163-32)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753	
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463	
Total BTX	<0.300	0.300	11/09/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 73.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.2 % 38.9-142

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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 63 @ 1' (H213163-33)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753	
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463	
Total BTEX	<0.300	0.300	11/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	11/10/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	211	106	200	0.472	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.4	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/11/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 64 @ 1' (H213163-34)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753		
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463		
Total BTX	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	11/10/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2021	ND	191	95.6	200	8.23	
DRO >C10-C28*	<10.0	10.0	11/09/2021	ND	189	94.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	11/09/2021	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/11/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 65 @ 1' (H213163-35)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753		
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463		
Total BTX	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	11/10/2021	ND	400	100	400	3.92		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/10/2021	ND	191	95.6	200	8.23		
DRO >C10-C28*	<10.0	10.0	11/10/2021	ND	189	94.5	200	5.52		
EXT DRO >C28-C36	<10.0	10.0	11/10/2021	ND						

Surrogate: 1-Chlorooctane 70.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/11/2021	Sampling Type:	Soil
Project Name:	ZIRCON #1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 66 @ 1' (H213163-36)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753		
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463		
Total BTX	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	11/10/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2021	ND	191	95.6	200	8.23	
DRO >C10-C28*	<10.0	10.0	11/10/2021	ND	189	94.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	11/10/2021	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 67 @ 1' (H213163-37)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753		
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463		
Total BTX	<0.300	0.300	11/09/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	11/10/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2021	ND	191	95.6	200	8.23	
DRO >C10-C28*	<10.0	10.0	11/10/2021	ND	189	94.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	11/10/2021	ND					

Surrogate: 1-Chlorooctane 59.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 57.6 % 38.9-142

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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 68 @ 1' (H213163-38)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753	
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463	
Total BTX	<0.300	0.300	11/09/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	11/10/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2021	ND	191	95.6	200	8.23	
DRO >C10-C28*	<10.0	10.0	11/10/2021	ND	189	94.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	11/10/2021	ND					

Surrogate: 1-Chlorooctane 69.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 69 @ 1' (H213163-39)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753	
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463	
Total BTX	<0.300	0.300	11/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/10/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2021	ND	191	95.6	200	8.23	
DRO >C10-C28*	<10.0	10.0	11/10/2021	ND	189	94.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	11/10/2021	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 70 @ 1' (H213163-40)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753	
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463	
Total BTX	<0.300	0.300	11/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/10/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2021	ND	191	95.6	200	8.23	
DRO >C10-C28*	<10.0	10.0	11/10/2021	ND	189	94.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	11/10/2021	ND					

Surrogate: 1-Chlorooctane 79.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 71 @ 1' (H213163-41)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753		
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655		
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205		
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463		
Total BTX	<0.300	0.300	11/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	11/10/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2021	ND	191	95.6	200	8.23	
DRO >C10-C28*	12.7	10.0	11/10/2021	ND	189	94.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	11/10/2021	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.2 % 38.9-142

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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: 11/08/2021
 Reported: 11/11/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 72 @ 1' (H213163-42)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2021	ND	2.17	108	2.00	0.753	
Toluene*	<0.050	0.050	11/09/2021	ND	2.09	104	2.00	0.655	
Ethylbenzene*	<0.050	0.050	11/09/2021	ND	2.08	104	2.00	0.205	
Total Xylenes*	<0.150	0.150	11/09/2021	ND	6.35	106	6.00	0.463	
Total BTX	<0.300	0.300	11/09/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	11/10/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2021	ND	191	95.6	200	8.23	
DRO >C10-C28*	<10.0	10.0	11/10/2021	ND	189	94.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	11/10/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



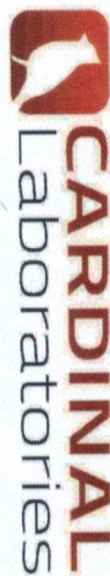
ANALYSIS REQUEST

[illegible]

Relinquished By:

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:	Standard	<input checked="" type="checkbox"/>	Bacteria (only)	Sample Condition
	20							

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamond Steel Project Manager: Justin R. Address: City: Hobbs State: NM Zip: 88240 Phone #: Fax #: Project #: Project Owner: Project Name: Project Location: Zircov #1 Sampler Name: Joe Quessada Jr. FOR LAB USE ONLY				P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:			
Lab I.D. Sample I.D.				BILL TO			
Matrix: <input checked="" type="checkbox"/> (G)RAB OR <input checked="" type="checkbox"/> (C)OMP <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER:				PRESERV. <input checked="" type="checkbox"/> ACID/BASE: <input checked="" type="checkbox"/> ICEY COOL <input type="checkbox"/> OTHER:			
SAMPLING				ANALYSIS REQUEST			
DATE TIME				CL COX TPH BTX			
11-8-21 10:30							
11-8-21 10:32							
11-8-21 10:34							
11-8-21 10:36							
11-8-21 10:38							
11-8-21 10:40							
11-8-21 10:42							
11-8-21 10:44							
11-8-21 10:46							
11-8-21 10:48							

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Relinquished By:				Received By: <i>Javier A. Delgado</i>			
Date: 11-8-21				Date: 11-8-21			
Time: 1450				Time: 1450			
Relinquished By:				Received By:			
Date:				Date:			
Time:				Time:			
Delivered By: (Circle One) Delivered By: UPS - Bus - Other:				Observed Temp. °C Observed Temp. °C: 0.1			
Corrected Temp. °C Corrected Temp. °C: 0.1				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Turnaround Time:				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>			
Thermometer ID #113				Corrected Temp. °C			
Correction Factor None				Corrected Temp. °C			
Remarks:				Remarks:			
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:			
All Results are emailed. Please provide Email address:							



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diamond Back</u>		P.O. #:		BILL TO								ANALYSIS REQUEST																					
Project Manager: <u>Justin R.</u>		Company:																															
Address:		Attn:																															
City: <u>Hobbs</u>		State: <u>NM</u>		Zip: <u>88240</u>																													
Phone #:		Fax #:		Address:																													
Project #:		City:		State:		Zip:																											
Project Name:		Phone #:		Fax #:																													
Project Location: <u>Zirco #1</u>		Sample Name: <u>Joe Quiselle Jr</u>		FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																					
<u>H213163</u>				C 1				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: (C) COOL OTHER:		DATE		TIME																			
<u>21</u>		<u>BS1 0.1'</u>						X				<u>11-6</u>		<u>10:50</u>		X		X		X													
<u>22</u>		<u>BS2 0.1'</u>										<u>10:52</u>		<u>10:52</u>		X		X		X													
<u>23</u>		<u>BS3 0.1'</u>										<u>10:54</u>		<u>10:54</u>		X		X		X													
<u>24</u>		<u>BS4 0.1'</u>										<u>10:56</u>		<u>10:56</u>		X		X		X													
<u>25</u>		<u>BS5 0.1'</u>										<u>11:20</u>		<u>11:20</u>		X		X		X													
<u>26</u>		<u>BS6 0.1'</u>										<u>11:22</u>		<u>11:22</u>		X		X		X													
<u>27</u>		<u>BS7 0.1'</u>										<u>11:24</u>		<u>11:24</u>		X		X		X													
<u>28</u>		<u>BS8 0.1'</u>										<u>11:26</u>		<u>11:26</u>		X		X		X													
<u>29</u>		<u>BS9 0.1'</u>										<u>11:27</u>		<u>11:27</u>		X		X		X													
<u>30</u>		<u>BS0 0.1'</u>										<u>11:28</u>		<u>11:28</u>		X		X		X													

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Relinquished By: Justin R. Date: 11-8-21 Time: 1450 Received By: Joe Quiselle Jr Date: 11-8-21 Time: 1450

Delivered By: (Circle One) Observed Temp. °C 0.6 Sample Condition Cool Intact CHECKED BY: (Initials) JP

Sampler - UPS - Bus - Other: Corrected Temp. °C 0.1 ☐ Yes ☐ No ☐ Yes ☐ No

Turnaround Time: Standard ☐ Rush ☐ Bacteria (only) ☐ Sample Condition ☐ Cool Intact ☐ Yes ☐ No ☐ Yes ☐ No ☐ Corrected Temp. °C

Thermometer ID #113 Mem -0.5°C ☐ Yes ☐ No

REMARKS:

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

All Results are emailed. Please provide Email address:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diamond & Back</u>		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: <u>Justin R</u>		Company:									
Address:		Attn:									
City: <u>Hobbs</u>		State: <u>NM</u>		Zip: <u>88240</u>							
Phone #:		Address:									
Project #:		City:									
Project Name:		State:		Zip:							
Project Location: <u>Zircon #1</u>		Phone #:									
Sampler Name: <u>Don Queller Jr.</u>		Fax #:									
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER		WASTEWATER	
				SOIL				OIL			
				SLUDGE				OTHER:			
				ACID/BASE:		(C)B / COOL		OTHER:			
				DATE		TIME		CL			
				11-6		11:30		X			
						11:42		X			
						11:44		X			
						11:46					
						11:48					
						11:50					
						11:52					
						11:54					
						11:56					
						11:58					
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Relinquished By:		Date:		Time: <u>1450</u>		Received By:		All Results are emailed. Please provide Email address:			
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:	
Sampler - UPS - Bus - Other:		0.6		0.1		Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		95.		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Yes <input type="checkbox"/> No <input type="checkbox"/>				Bacteria (only) Sample Condition	
										Cool <input type="checkbox"/> Intact <input type="checkbox"/>	
										Observed Temp. °C	
										Corrected Temp. °C	

FORM 1000 R 3.1 06/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Diannabel B. B.

Project Manager: Justin R.

Address:

City: Hobbs

State: NM Zip: 88240

Phone #:

Fax #:

Project #:

Project Owner:

Project Name:

Project Location: Zircou #1

Sampler Name: Joe Quispe Jr

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H213163

41 82101

42 87201

43 87301

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

11-6 11:58

11-6 12:00

11-6 12:02

11-6 12:02

11-6 12:02

11-6 12:02

11-6 12:02

11-6 12:02

11-6 12:02

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11-6 12:02

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Relinquished By:

Date: 11-8-21

Received By:

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

All Results are emailed. Please provide Email address:

Relinquished By:

Date:

Received By:

REMARKS:

Delivered By: (Circle One)

Observed Temp. °C

Sample Condition

CHECKED BY:

Turnaround Time:

Standard

☒

Bacteria (only)

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No ☐

9.0

Thermometer ID #113

-0.5°C

☐

Cool ☐ Intact ☐ Yes ☐ No ☐

Observed Temp. °C

Corrected Temp. °C

FORM-000 R.S.T. 06/07/20

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

December 22, 2021

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZIRCON #1

Enclosed are the results of analyses for samples received by the laboratory on 12/17/21 16:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W1 BGS 1-4 (H213659-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.94	96.8	2.00	4.52	QR-03
Toluene*	<0.050	0.050	12/21/2021	ND	1.94	96.9	2.00	4.81	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.91	95.4	2.00	4.01	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.84	97.3	6.00	4.37	
Total BTX	<0.300	0.300	12/21/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/20/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	186	93.1	200	2.65	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	200	100	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					

Surrogate: 1-Chlorooctane 87.3 % 62-130

Surrogate: 1-Chlorooctadecane 88.9 % 54.5-135

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Analytical Results For:

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

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W2 BGS 1-4 (H213659-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.81	90.3	2.00	7.47		
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0		
Total BTX	<0.300	0.300	12/21/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/20/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	186	93.1	200	2.65	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	200	100	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					

Surrogate: 1-Chlorooctane 86.3 % 62-130

Surrogate: 1-Chlorooctadecane 88.8 % 54.5-135

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Analytical Results For:

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

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W3 BGS 1-4 (H213659-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTX	<0.300	0.300	12/21/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/20/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	186	93.1	200	2.65	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	200	100	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					

Surrogate: 1-Chlorooctane 86.7 % 62-130

Surrogate: 1-Chlorooctadecane 89.6 % 54.5-135

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Analytical Results For:

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 Fax To: (575) 392-9376

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W4 BGS 1-4 (H213659-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTX	<0.300	0.300	12/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/20/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	186	93.1	200	2.65	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	200	100	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 62-130

Surrogate: 1-Chlorooctadecane 87.0 % 54.5-135

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 Fax To: (575) 392-9376

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W5 BGS 1-4 (H213659-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.81	90.3	2.00	7.47		
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0		
Total BTEx	<0.300	0.300	12/21/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	186	93.1	200	2.65	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	200	100	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					

Surrogate: 1-Chlorooctane 87.7 % 62-130

Surrogate: 1-Chlorooctadecane 86.4 % 54.5-135

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Analytical Results For:

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 Fax To: (575) 392-9376

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W6 BGS 1-4 (H213659-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.81	90.3	2.00	7.47		
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0		
Total BTEx	<0.300	0.300	12/21/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/20/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	186	93.1	200	2.65	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	200	100	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					

Surrogate: 1-Chlorooctane 91.4 % 62-130

Surrogate: 1-Chlorooctadecane 92.7 % 54.5-135

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Analytical Results For:

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 Fax To: (575) 392-9376

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W7 BGS 1-4 (H213659-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTX	<0.300	0.300	12/21/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	186	93.1	200	2.65	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	200	100	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					

Surrogate: 1-Chlorooctane 91.1 % 62-130

Surrogate: 1-Chlorooctadecane 92.4 % 54.5-135

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Analytical Results For:

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 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W8 BGS 1-4 (H213659-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.81	90.3	2.00	7.47		
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0		
Total BTEx	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/20/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	186	93.1	200	2.65	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	200	100	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 87.1 % 62-130

Surrogate: 1-Chlorooctadecane 93.4 % 54.5-135

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Analytical Results For:

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

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZIRCON #1
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W9 BGS 1-4 (H213659-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTX	<0.300	0.300	12/21/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	186	93.1	200	2.65	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	200	100	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					

Surrogate: 1-Chlorooctane 90.4 % 62-130

Surrogate: 1-Chlorooctadecane 93.1 % 54.5-135

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*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamond Backe

Project Manager: Justin R.

Address:

City: Hobbs

Phone #:

Project #:

Project Name:

Project Location: Zircan # 1

Sampler Name: De Querschede

FOR LAB USE ONLY

State: NM

Zip: 88340

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

P.O. #:

Company:

Lab I.D. Sample I.D.

H213654

1

2

3

4

5

6

7

8

9

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE COOL

OTHER :

DATE

TIME

12-17

8:30

12-17

8:32

12-17

8:34

12-17

8:36

12-17

8:38

12-17

8:40

12-17

8:42

12-17

8:44

12-17

8:46

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

CL

EXT TPH

RTex

Relinquished By:

Relinquished By:

Date: 12-17

Date: 12-17

Time: 10:00

Time:

Received By:

Received By:

Remarks:

Remarks:

Delivered By: (Circle One)

Observed Temp. °C 5.1

Corrected Temp. °C 4.6

Sample Condition

Intact

Yes

No

Checked By: (Initials)

Turnaround Time:

Thermometer ID #113

Correction Factor -0.5°C

Standard

Rush

Bacteria (only)

Cool Intact

Yes

No

Sample Condition

Observed Temp. °C

Corrected Temp. °C

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

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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

Action 81273

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 81273
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. OCD suggests the OSE boring/well permit and boring log be included in future reports.	3/4/2022