Oil Conservation Division

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Incident ID	NAPP2314453161
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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>135</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🛛 No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data

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- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- \boxtimes Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCL	D: 10/27/2023 1:06:50 PM State of New Mexico				Page 2 of 109
				Incident ID	NAPP2314453161
Page 4	Oil Conservation Division			District RP	
				Facility ID	
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regulations all op public health or t failed to adequat addition, OCD ad and/or regulation Printed Name: Signature: email:	hat the information given above is true and complete to the best perators are required to report and/or file certain release notifica the environment. The acceptance of a C-141 report by the OCD ely investigate and remediate contamination that pose a threat to cceptance of a C-141 report does not relieve the operator of resp is. <u>Connor Walker</u> <u>cwalker@mewbourne.com</u>	tions and does not o groundw oonsibility	perform co relieve the vater, surfac for compl <u>Sr. En</u> Date: _10	rrective actions for rele operator of liability sh ce water, human health iance with any other fea	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by:	Shelly Wells	Dat	e: <u>10/27</u> ,	/2023	

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. _____ Title: <u>Sr. Engineer</u> Printed Name: Connor Walker and Avalh Signature: ____ Date: _10/19/2023_____ cwalker@mewbourne.com Telephone: 806-202-5281 email: OCD Only Received by: <u>Shelly Wells</u> Date: <u>10/27/2023</u> Approved Approved with Attached Conditions of Approval Denied Deferral Approved Date: Signature:

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Oil Conservation Division

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Closure

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

<u>Closure Report Attachment Checklist</u>: 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 must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office						
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)							
Description of remediation activities							
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in						
Printed Name: <u>Connor Walker</u>	Title: <u>Sr. Engineer</u>						
Signature:	Date: _10/19/2023						
email: cwalker@mewbourne.com	Telephone: 806-202-5281						
OCD Only							
OCD Only Received by: Shelly Wells	Date: <u>10/27/2023</u>						
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible l/or regulations.						
Closure Approved by:	Date:						
Printed Name:	Title:						



Zach 17/8 W1MD Fed Com #1H Battery

NAPP2314453161

Remediation Summary and Deferral Request



2525 NW County Rd

Hobbs, NM 88240 (575) 392-9996

Released to Imaging: 2/15/2024 2:08:26 PM

Introduction

This report represents the results of remediation activities at the Zach 17/8 W1MD Fed Com #1H Battery. On behalf of Mewbourne Oil Company (Mewbourne), Diamondback Disposal Services, Inc. (Diamondback) was tasked with the cleanup and remediation of release NAAPP2314453161. The release occurred in Unit Letter M, Section 17, Township 26S, Range 33E at coordinates 32.0377027, -103.5991772. 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 was located in the battery containment within Federal land and the affected area consisted of caliche. Nothing circumvented the containment. A heater treater lost it's gas supply and flooded. Approximately 15 barrels of crude oil was lost with nothing recovered. All figures were calculated based on normal flow rates.

Regulatory Guidelines

Upon review of the site characteristics it was found that the site resides in a area with medium karst potential under BLM jurisdiction; there-fore Table 1 NMAC 19.15.29.12 closure criteria for groundwater less that 50ft (See Table Below) was utilized.

Table 1 NMAC 19.15.29.12								
Closure Cr	Closure Criteria for Soils Impacted by a Release							
<50 Feet	Chloride	600 mg/kg						
	TPH (GRO+DRO+MRO) 100 mg/kg							
	BTEX	50 mg/kg						
	Benzene	10 mg/kg						

 *	

Remediation Activities

Between the dates of July 10^{th,}, 2023 and September 12th, 2023 Diamondback excavated approximately 900 cubic yards (cy) of impacted material, loaded and transported it to R-360 Antelope Facility for disposal. Depth of excavation ranged from 3-foot BGS to 4-feet BGS. Between the dates of August 22nd, 2023 and September 12th, 2023 the site was sampled to determine the 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, a majority of floor samples proved to be below table 1 RRAL's for site closure. At locations where floor sample results exceeded allowed levels of TPH and or chloride levels, these areas were over excavated and resampled. Being that Table 1 Closure Criteria for groundwater 50' BGS, a majority of the release including all areas that could be practicably and safely excavated meet RRAL's. The areas around facilities and lines (see attache deferment map) having full delineation from 3 foot to 6 feet BGS and posing no risk to groundwater be deferred until system abandonment or deconstruction of the facility.

The site was back-filled with Approximately 860 cy of like material obtained from a local source. Back-fill was placed in a manner that will restore the battery containment back to operating condition and prevent storm water runoff.

Conclusion

Upon review of all analytical data 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 areas, practicably and safely excavated also deferment of the areas in close proximity of equipment for the Zach 17/8 W1MD Fed Com #1H Battery NAPP2314453161

	ZACH 17/8 W2MD FED COM #1H Wall Sample Results													
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE TYPE	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
W 1 WALL	H234743-01	0-3'	Comp	8/31/23	<0.050	<0.050	< 0.050	<0.150	<0.300	<0.10	<0.10	<0.10	<0.10	112
W 2 WALL	H234743-02	0-3'	Comp	8/31/23	<0.050	<0.050	<0.050	<0.150	<0.300	<0.10	<0.10	<0.10	<0.10	128
W 3 WALL	H234743-03	0-3'	Comp	8/31/23	<0.050	<0.050	<0.050	<0.150	<0.300	<0.10	<0.10	<0.10	<0.10	112
ZACH 17/8 W2MD FED COM #1H Floor Sample Results														
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE TYPE	SAMPLE DATE	BENZENE	TOLUENE (ma/ka)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (ma/ka)	TOTAL BTEX (ma/ka)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
B 01 FLOOR	H234581-01	4'	Comp	8/22/23	<0.050	< 0.050	< 0.050	<0.150	< 0.300	.<10.0	<10.0	<10.0	<10.0	16.0
B 02 FLOOR	H234581-02	4'	Comp	8/22/23	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	.<10.0	<10.0	<10.0	<10.0	16.0
B 03 FLOOR	H234581-03	4'	Comp	8/22/23	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	.<10.0	<10.0	<10.0	<10.0	16.0
B 04 FLOOR	H234581-04	4'	Comp	8/22/23	<0.050	< 0.050	< 0.050	<0.150	<0.300	.<10.0	<10.0	<10.0	<10.0	32.0
B 05 FLOOR	H234581-05	4'	Comp	8/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	<10.0	<10.0	<10.0	16.0
B 06 FLOOR	H234581-06	4'	Comp	8/22/23	<0.050	<0.050	< 0.050	<0.150	< 0.300	.<10.0	<10.0	<10.0	<10.0	16.0
B 07 FLOOR	H234581-07	4'	Comp	8/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	<10.0	<10.0	<10.0	16.0
B 08 FLOOR B 09 FLOOR	H234581-08 H234651-01	4' 3'	Comp Comp	8/22/23 8/25/23	<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	16.0 112
B 10 FLOOR	H234651-01 H234651-02	3'	Comp	8/25/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	19.6	<10.0	19.6	48.0
B 11 FLOOR	H234651-02	3'	Comp	8/25/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	<10.0	<10.0	<10.0	48.0
B 12 FLOOR	H234551-04	3'	Comp	8/25/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	<10.0	<10.0	<10.0	80.0
B 13 FLOOR	H234551-05	3'	Comp	8/25/23	<0.050	< 0.050	< 0.050	<0.150	<0.300	.<10.0	35.2	<10.0	35.2	32.0
B 14 FLOOR	H234742-01	3'	Comp	8/31/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	<10.0	<10.0	<10.0	32.0
B15 FLOOR	H234742-02	3'	Comp	8/31/23	<0.050	<0.050	< 0.050	<0.150	<0.300	.<10.0	<10.0	<10.0	<10.0	32.0
B16 FLOOR	H234742-03	3'	Comp	8/31/23	<0.050	<0.050	< 0.050	<0.150	<0.300	.<10.0	<10.0	<10.0	<10.0	32.0
B 17 FLOOR	H234742-04	3'	Comp	8/31/23	<0.050	<0.050	< 0.050	<0.150	< 0.300	.<10.0	<10.0	<10.0	<10.0	128
B 18 FLOOR B 19 FLOOR	H234742-05 H234742-06	3'	Comp Comp	8/31/23 8/31/23	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	.<10.0	37.9 <10.0	<10.0 <10.0	37.9 <10.0	256 112
B 20 FLOOR	H234742-06 H234742-07	3'	Comp	8/31/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	277	37.8	314.8	608
B 20 FLOOR	H234837-01	3'6"	Comp	9/6/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	869	241	1110	912
B 20 FLOOR	H234933-01	4'	Comp	9/12/23	< 0.050	<0.050	< 0.050	<0.150	< 0.300	.<10.0	<10.0	<10.0	<10.0	80.0
B 21 FLOOR	H234742-08	3'	Comp	8/31/23	<0.050	< 0.050	< 0.050	<0.150	<0.300	.<10.0	238	34.7	272.7	496
B 21 FLOOR	H234837-02	3'6"	Comp	9/6/23	<0.050	<0.050	< 0.050	<0.150	<0.300	.<10.0	1210	255	1476.5	864
B 21 FLOOR	H234933-02	4'	Comp	9/12/23	<0.050	<0.050	< 0.050	<0.150	< 0.300	.<10.0	<10.0	<10.0	<0.10	<16.0
B 22 FLOOR	H234742-09	3'	Comp	8/31/23	<0.050	< 0.050	<0.050	<0.150	< 0.300	.<10.0	193	25.4	218.4	464
B 22 FLOOR B 22 FLOOR	H234933-02 H234933-03	3'6" 4'	Comp Comp	9/12/23 9/12/23	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	.<10.0	690 <10.0	179 <10.0	869 <10.0	672 48.0
B 23 FLOOR	H234933-03	3'	Comp	8/31/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	34	<10.0	34.0	304
B 24 FLOOR	H234742-10	3'	Comp	8/31/23	<0.050	<0.050	<0.050	<0.150	<0.300	.<10.0	10.7	<10.0	10.7	80.0
B 25 FOOR	H234742-12	3'	Comp	8/31/23	< 0.050	<0.050	< 0.050	<0.150	<0.300	.<10.0	<10.0	<10.0	<10.0	48.0
SAMPLE ID	LAB ID	SAMPLE	SAMPLE	SAMPLE	BENZENE		1 17/8 W2MD FED CC ferrment Sample Res ETHYL-BENZENE		TOTAL BTEX	GRO	DRO	EXT DRO	TOTAL TPH	CHLORIDE
	NUMBER	DEPTH	TYPE	DATE		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	C6-C10 (mg/kg)	C10-C28 (mg/kg)	C28-C36 (mg/kg)	C6-C36 (mg/kg)	
DP 01	H234836-01	4'	Grab	9/6/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1360	305	1665	800
DP 01 DP 02	h234932-01 H234836-02	5' 4'	Grab Grab	9-/12/23 9/6/23	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 609	<10.0 130	<10.0 739	16.0 496
DP 02 DP 02	H234932-02	5'	Grab	9/0/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DP 03	H234836-03	4'	Grab	9/6/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1010	223	1233	816
DP 03	H234932-03	5'	Grab	9-/12/23	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DP 04	H234836-04	4'	Grab	9/6/23	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	650	152	802	448
DP 04	H234932-04	5'	Grab	9-/12/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DP 05	H234836-05	4'	Grab	9/6/23	<0.050	0.052	< 0.050	<0.150	<0.300	<10.0	644	151	795	464
DP 05	H234932-05	6'	Grab	9-/12/23	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<0.10	<0.10	16.0
DP 06	H234836-06	4'	Grab	9/6/23	< 0.050	0.060	<0.050	<0.150	<0.300	<10.0	656	157	813	448
DP 06 DP 07	H234932-06 H234836-07	5' 4'	Grab Grab	9-/12/23 9/6/23	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 981	<10.0 219	<10.0 1200	<16.0 720
DP 07 DP 07	H234836-07 H234932-07	5'	Grab	9/6/23	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	80.0
DP 07	H234932-07 H234836-08	4'	Grab	9/6/23	<0.050	0.055	<0.050	<0.150	<0.300	<10.0	1080	229	1309	560
DP 08	H234932-08	5'	Grab	9-/12/23	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<0.10	<0.10	128
DP 09	H23483609	3'	Grab	9/6/23	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	1240	<10.0	1528	704
DP 09	H234932-09	4'	Grab	9-/12/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<0.10	<10.0	112
DP 10	H234836-10	4'	Grab	9/6/23	<0.050	0.057	< 0.050	<0.150	<0.300	<10.0	732	173	905	752
DP 10	H234932-10	4'	Grab	9-/12/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128



Wall Map Zach 17/8 W1MD Fed Com #1H Battery nAPP2314453161 Mewbourne Oil Co. Eddy County, New Mexico Released to Imaging: 2/15/2024 2:08:26 PM



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



Floor Sample Maps Zach 17/8 W1MD Fed Com #1H Battery nAPP2314453161 Mewbourne Oil Co. Eddy County, New Mexico Released to Imaging: 2/15/2024 2:08:26 PM



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



Deferment Map Zach 17/8 W1MD Fed Com #1H Battery nAPP2314453161 Mewbourne Oil Co. Eddy County, New Mexico Released to Imaging: 2/15/2024 2:08:26 PM



Diamondback Disposal Services, Inc P.O. Box 2491 Hobbs, NM 88241 575-392-9996 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	NAPP2314453161
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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) nAPP2314453161					
Contact mailing address 4801 Business Park Blvd, Hobbs, NM 88240						

Location of Release Source

Latitude 32.0377027

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Zach 17/8 W1MD Fed Com #1H Battery	Site Type Battery
Date Release Discovered 5/11/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
М	17	26S	33E	Lea

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

Mater	ial(s) Released (Select all that apply and attach calculations or specif	ic justification for the volumes provided below)
Crude Oil	Volume Released (bbls) 15	Volume Recovered (bbls) 0
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Cause of Release

Heater treater lost gas supply and flooded out.

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ge 2	Oil Conservation Division	District RP		
		Facility ID		
		Application ID		
Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ⊠ No	If YES, for what reason(s) does the responsible pa	rty consider this a major release?		
If YES, was immediate no	otice given to the OCD? By whom? To whom? W	'hen and by what means (phone, email, etc)?		

Incident ID

Initial Response

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

 \boxtimes The source of the release has been stopped.

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

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

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

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name:	Connor Walker	Title: <u>Sr. Engineer</u>
Signature:	cwalker@mewbourne.com	Date: _5/16/2023 Telephone <u>: 806-202-5281</u>
OCD Only		
Received by: _	Jocelyn Harimon	Date:05/24/2023

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	220314
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created B		Condition Date
jharimo	n None	5/24/2023

Page 14-of 109

Action 220314

RE: [EXTERNAL] 48hr APP2314453161

Page 15 of 109

From: "Wells, Shelly, EMNRD" <Shelly.Wells@emnrd.nm.gov>

To: Jason Owsley <jasono@diamondbacknm.com>

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>

Date: Wed, 23 Aug 2023 14:55:24 +0000 (08/23/2023 08:55:24 AM)

Good morning Jason,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Jason Owsley <jasono@diamondbacknm.com> Sent: Tuesday, August 22, 2023 4:56 PM To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov> Subject: [EXTERNAL] 48hr APP2314453161

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

Good Morning

Please let this serve as a 48 hour notice to complete confirmation sampling at the Mewbourne Oil Company Zach 17/8 W1MD Fed Com #1H Battery, located at 32.0377027, -103.5991772, nAPP2314453161. Sampling will take place at 8:00 am on Friday August, 25th, 2023. If you need further information please feel free to reach out.

Jason Owsley Phone (575)602-5998 Email: Jasono@diamondbacknm.com Received by OCD: 10/27/2023 1:06:50 PM



2525 NW County Rd. Hobbs, NM 88240

•

W1 12.39 29.58 2.39 0.10 239 0.3' W2 12 29.58 2.47 0.08 197 0.3' W3 11.99 28.76 2.40 0.08 192 0.3' Sample ID Soil Water Ratio AgNO3 CI Result Dep B1 11.72 29.54 2.52 0.06 1513' B2 11.36 28.81 2.34 0.04 1013' B3 12.7 28.4 2.24 0.20 4473' B4 13.12 26.97 2.06 0.18 3703' B5 11.85 2.771 2.34 0.44 1029'' B6 11.30.2 2.75 0.04 1104' B1 11 30.2 2.66 0.02 544' B4 11.2 30 2.65 0.06 1594' B8 11.3 30.2 2.67 0.04 93''	<u>th</u>
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B1811.9327.332.290.15344 3'B1912.1927.542.260.18407 3'B2011.128.82.590.0252 3'B2111.728.222.410.0496 3'B221227.322.280.10228 3'B2312.1628.122.310.0492 3'B2411.9930.122.510.12301B2512.03312.580.10258B2011.83302.540.04101 3'6"B211128.792.620.0252 3'6"	
B1912.1927.542.260.18407 3'B2011.128.82.590.0252 3'B2111.728.222.410.0496 3'B221227.322.280.10228 3'B2312.1628.122.310.0492 3'B2411.9930.122.510.12301B2512.03312.580.10258B2011.83302.540.04101 3'6"B211128.792.620.0252 3'6"	
B20 11.1 28.8 2.59 0.02 52 3' B21 11.7 28.22 2.41 0.04 96 3' B22 12 27.32 2.28 0.10 228 3' B23 12.16 28.12 2.31 0.04 92 3' B24 11.99 30.12 2.51 0.12 301 B25 12.03 31 2.58 0.10 258 B20 11.83 30 2.54 0.04 101 3'6" B21 11 28.79 2.62 0.02 52 3'6"	
B21 11.7 28.22 2.41 0.04 96 3' B22 12 27.32 2.28 0.10 228 3' B23 12.16 28.12 2.31 0.04 92 3' B24 11.99 30.12 2.51 0.12 301 B25 12.03 31 2.58 0.10 258 B20 11.83 30 2.54 0.04 101 3'6" B21 11 28.79 2.62 0.02 52 3'6"	
B221227.322.280.10228 3'B2312.1628.122.310.0492 3'B2411.9930.122.510.12301B2512.03312.580.10258B2011.83302.540.04101 3'6"B211128.792.620.0252 3'6"	
B2312.1628.122.310.0492 3'B2411.9930.122.510.12301B2512.03312.580.10258B2011.83302.540.04101 3'6"B211128.792.620.0252 3'6"	
B2411.9930.122.510.12301B2512.03312.580.10258B2011.83302.540.04101 3'6"B211128.792.620.0252 3'6"	
B2512.03312.580.10258B2011.83302.540.04101 3'6"B211128.792.620.0252 3'6"	
B2011.83302.540.04101 3'6"B211128.792.620.0252 3'6"	
B21 11 28.79 2.62 0.02 52 3'6"	
B20 12.38 30.05 2.43 0.02 494'	
B21 13.07 27.9 2.13 0.02 434'	
B22 12.11 31.42 2.59 0.02 524'	
Sample ID Soil Water Ratio AgNO3 Cl Result Dep	th
DP1 11.3 30.2 2.67 0.33 8821'	<u> </u>
DP1 11 30.3 2.75 0.28 7712'	

•

Strong gasoline o	dor at 1'2'					
DP1	11.1	30.2	2.72	0.12	326	3'
Faint smell of pai						
DP1	11.2	30	2.68	0.15	402	4′
DP2	11	30.3	2.75	0.17	468	
DP2	11.01	30.3	2.75	0.10	275	
Strong gasoline o		5015		0110		_
DP2	11.1	30.2	2.72	0.17	462	3'
Faint gasoline od				0117		-
DP2	11	30	2.73	0.18	491	4'
DP3	11.1	30.2	2.72	0.08	218	
DP3	11.3	30	2.65	0.05	133	
DP3	11.5	30	2.73	0.15	409	
Strong gasoline o				0.15	100	
DP3	11	30.2	2.75	0.20	549	4'
DP4	11.7	30.2	2.73	0.89	2297	
DP4	11.7	30.2	2.71	0.89	678	
DP4	11.1	30.1	2.68	0.25	937	
Strong gasoline d			2.00	0.55	557	-
DP4	11.3	30.2	2.67	0.18	481	Δ'
DP5	11.5	30.2	2.73	0.18	954	
DP5	11.3		2.65	0.30	796	
Strong gasoline d		50	2.05	0.30	790	2
DP5	11.2	30.2	2.70	0.20	539	3'
Faint gasoline od		50.2	2.70	0.20	555	5
DP5	11.2	30.2	2.70	0.10	485	۸'
DP6	11.2	30.2	2.70	0.18	898	
Strong gasoline d		50.2	2.72	0.35	090	±
DP6		20.2	2.73	0.20	710	2'
DP6	11.1	30.3	2.73	0.26	710	
	11.2	30.3	2.71	0.26	705	5
Faint gasoline od DP6		20.2	2.70	0.20	539	A'
	11.2			0.20		
DP7	11.3		2.76	0.43	1187 903	
DP7 DP7	11.58		2.66	0.34	903 798	
	11.33	30.15	2.66	0.30	/98	<u>ح</u>
Faint gasoline od			0 7 0	0.10	E01	<u> </u>
DP7	11.06		2.78	0.18	501 766	
DP8	10.64	30.21	2.84	0.27	/66	L
Strong gasoline o		20.71	2.65	0.00	F 2 4	2/
DP8	10.83		2.65	0.20	530	
DP8	11.54	30.84	2.67	0.20	534	<u>ح</u>
Faint turpentine s		20.21	2.24	0.10	101	<u> </u>
DP8	12.06		2.34	0.18	421	
DP9	10.93			0.30	812	
DP9	11	29.77	2.71	0.28	758	Z [*]
Faint turpentine		20.12	0.70	0.10		2/
DP9	11.08			0.19	517	
DP10	11.06	31.32	2.83	0.40	1132	L.

Strong gasoline o	dor					
DP10	11.98	30.41	2.54	0.36	914	2′
Faint turpentine s	mell					
DP10	12.14	31.54	2.60	0.20	519	3'
DP1	11.5	31.4	2.73	0.02	55	5′
DP2	12.74	28.83	2.26	0.02	45	5'
DP3	13.6	29.88	2.20	0.02	44	5′
DP4	10.71	33.48	3.13	0.02	72	5'
DP5	11	30.2	2.75	0.02	55	5′
DP6	11.7	30.2	2.58	0.02	52	5'
DP7	11.1	30.1	2.71	0.02	54	
DP8	11.2	30	2.68	0.02	54	5′
DP9	11.3	30.2	2.67	0.02	53	4'
DP10	11	30	2.73	0.02	55	4'







August 28, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZACH 17/8 W1MD FED COM #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/23/23 7:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Analytical Results For:

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

Received:	08/23/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 1 @ 4' (H234581-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	96.8	2.00	2.93	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	0.644	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.99	99.5	2.00	3.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.00	100	6.00	3.57	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.7	200	3.21	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	158	79.2	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	0						

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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:	08/23/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 2 @ 4' (H234581-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	96.8	2.00	2.93	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	0.644	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.99	99.5	2.00	3.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.00	100	6.00	3.57	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.7	200	3.21	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	158	79.2	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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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:	08/23/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 3 @ 4' (H234581-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	96.8	2.00	2.93	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	0.644	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.99	99.5	2.00	3.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.00	100	6.00	3.57	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	157	78.7	200	3.21	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	158	79.2	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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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:	08/23/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 4 @ 4' (H234581-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	96.8	2.00	2.93	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	0.644	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.99	99.5	2.00	3.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.00	100	6.00	3.57	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	157	78.7	200	3.21	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	158	79.2	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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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:	08/23/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 5 @ 4' (H234581-05)

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	96.8	2.00	2.93	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	0.644	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.99	99.5	2.00	3.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.00	100	6.00	3.57	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	157	78.7	200	3.21	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	158	79.2	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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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:	08/23/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 6 @ 4' (H234581-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	96.8	2.00	2.93	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	0.644	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.99	99.5	2.00	3.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.00	100	6.00	3.57	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	157	78.7	200	3.21	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	158	79.2	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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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:	08/23/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 7 @ 4' (H234581-07)

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	08/26/2023	ND	1.94	96.8	2.00	2.93	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	0.644	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.99	99.5	2.00	3.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.00	100	6.00	3.57	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	157	78.7	200	3.21	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	158	79.2	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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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:	08/23/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 8 @ 4' (H234581-08)

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	96.8	2.00	2.93	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	0.644	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.99	99.5	2.00	3.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.00	100	6.00	3.57	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	157	78.7	200	3.21	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	158	79.2	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Notes and Definitions

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

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Released to Imaging: 2/15/2024 2:08:26 PM

August 31, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZACH 17/8 W1MD FED COM #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/25/23 16:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Analytical Results For:

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

Received:	08/25/2023	Sampling Date:	08/25/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 9 @ 3' (H234651-01)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/30/2023	ND	1.85	92.5	2.00	2.93	
Toluene*	<0.050	0.050	08/30/2023	ND	2.15	108	2.00	3.91	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.20	110	2.00	4.28	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.56	109	6.00	5.27	
Total BTEX	<0.300	0.300	08/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/29/2023	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	08/29/2023	ND	171	85.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	160	79.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	0						

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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:	08/25/2023	Sampling Date:	08/25/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 10 @ 3' (H234651-02)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	1.82	90.8	2.00	2.24	
Toluene*	<0.050	0.050	08/30/2023	ND	2.17	108	2.00	0.920	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.22	111	2.00	0.877	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.63	111	6.00	1.00	
Total BTEX	<0.300	0.300	08/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/29/2023	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	08/29/2023	ND	171	85.3	200	1.54	
DRO >C10-C28*	19.6	10.0	08/29/2023	ND	160	79.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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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:	08/25/2023	Sampling Date:	08/25/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 11 @ 3' (H234651-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	1.82	90.8	2.00	2.24	
Toluene*	<0.050	0.050	08/30/2023	ND	2.17	108	2.00	0.920	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.22	111	2.00	0.877	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.63	111	6.00	1.00	
Total BTEX	<0.300	0.300	08/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/29/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2023	ND	171	85.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	160	79.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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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:	08/25/2023	Sampling Date:	08/25/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 12 @ 3' (H234651-04)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	1.82	90.8	2.00	2.24	
Toluene*	<0.050	0.050	08/30/2023	ND	2.17	108	2.00	0.920	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.22	111	2.00	0.877	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.63	111	6.00	1.00	
Total BTEX	<0.300	0.300	08/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/29/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2023	ND	171	85.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	160	79.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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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:	08/25/2023	Sampling Date:	08/25/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 13 @ 3' (H234651-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	1.82	90.8	2.00	2.24	
Toluene*	<0.050	0.050	08/30/2023	ND	2.17	108	2.00	0.920	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.22	111	2.00	0.877	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.63	111	6.00	1.00	
Total BTEX	<0.300	0.300	08/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/29/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2023	ND	171	85.3	200	1.54	
DRO >C10-C28*	35.2	10.0	08/29/2023	ND	160	79.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					
Surrogate: 1-Chlorooctane	93 .7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Notes and Definitions

- ND
 Analyte NOT DETECTED at or above the reporting limit

 RPD
 Relative Percent Difference

 **
 Samples not received at proper temperature of 6°C or below.

 Insufficient time to reach temperature.

 Chloride by SM4500CI-B does not require samples be received at or below 6°C
 - Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: DiamondBack Disposals BILL TO ANALYSIS REQUEST Project Manager: Justin Roberts P.O. #: Address: 2525 NW County RD Company: City: Hobbs State: NM ZIP: 88240 Attn: Phone #: (575)-392-9996 Address: Project #: MOC-467 City: Project Name: Zach 17/8 W1MD Fed Com #1H Battery State: Zip: Project Location: 32.0377027,-103.5991772 NM Phone #: Sampler Name: Jason Owsley Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING Lab I.D. (G)RAB OR (C)OMP **GROUNDWATER** # CONTAINERS Sample I.D. NASTEWATER ICE / COOL OTHER : **ACID/BASE** SLUDGE OTHER EXT H23465 SOIL DATE TIME CL TPH BTEX B9 @ 3' c 1 x 8/25/23 2:20 PM x X x x 2 B10 @ 3' lc 1 x x 8/25/23 2:22'PM х X lх 3 B11 @ 3' c x 1 x 8/25/23 2:24 PM х х X (B12 @ 3 c x x 8/25/23 2:26 PM х х X B13 @ 3 c x x 8/25/23 2:28 PM x X EASE 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 the client for the analyses. All claims including those for regligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the lates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise Relinquished By: Received By: Verbai Tesult: Ves ONo Add'l Phone #: 2/15/202 All Results are emailed. Please provide Email address: Jasono@diamondbacknm.com / Time Yesenial@diamondbacknm.com / Justin Relinguished By: Date: Received By: REMARKS: leased to Imaging: Time: elivered By: (Circle One) Observed Temp. °C 3.2 Sample Condition CHECKED BY: urnaround Time Standard Sampler - UPS - Bus - Other: 4 Bacteria (only) Sample Condition Corrected Temp. °C Cool Intact (Initials) 0 Cool Intact Observed Temp. °C Tes Tes ĥ e. Thermometer ID #113 # 140 No No Yes Yes ed Correction Factor -0.5°C - - 8/25/23 No No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

September 06, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZACH 17/8 W1MD FED COM #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/31/23 15:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Analytical Results For:

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

Received:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 14 @ 3' (H234742-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	08/31/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	08/31/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/31/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	08/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 15 @ 3' (H234742-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 16 @ 3' (H234742-03)

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 17 @ 3' (H234742-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS				-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 18 @ 3' (H234742-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	zed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ND 400 100 400 ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	37.9	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 19 @ 3' (H234742-06)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	105 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 20 @ 3' (H234742-07)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	277	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	37.8	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 21 @ 3' (H234742-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
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	09/01/2023	ND	416	104	400	0.00	QM-07
TPH 8015M	mg/	/kg	Analyze	lyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	238	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	34.7	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 22 @ 3' (H234742-09)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	09/01/2023	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	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	193	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	25.4	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 23 @ 3' (H234742-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/01/2023	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	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	34.0	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 24 @ 3' (H234742-11)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	10.7	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 25 @ 3' (H234742-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/01/2023	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	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Received by OCD: 10/27/2023 1:06:50 PM

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

Notes and Definitions

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Project Manager: Jus	stin Roberts								P.O.	#:					T	1					1					Г
Address: 2525 NW C	ounty RD								Com	pan	iy:															ľ
City: Hobbs	State: NM ZI	P: 88240			2				Attn	:					1											
Phone #: (575)-392-9	996								Addr	ress	:				1											
Project #:	MOC-467								City:						1											
Project Name:	Zach 17/8 W1MD Fed Com #1H B	attery							State	e:		Zij	ip:		1											
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	Cardinal be liable for incidental or consequental damages, i or related to the performance of services hereunder by Card														,,				aness mar	in mining		o by Carolin	ai within 50 ta	ays aller co	ompleuon or	ne
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FORM-006 R 3.2 10/07/21

Reck

Released to Imaging: 2/15/2024 2:08:26 PM

September 06, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZACH 17/8 W1MD FED COM #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/31/23 15:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Analytical Results For:

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

Received:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: W 1 @ 0-3' (H234743-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	B mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	174	87.0	200	4.02	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	179	89.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: W 2 @ 0-3' (H234743-02)

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.7	200	3.72	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	176	87.9	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	65.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.0	% 49.1-14	8						

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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:	08/31/2023	Sampling Date:	08/31/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: W 3 @ 0-3' (H234743-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	09/01/2023	ND	1.91	95.7	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.97	98.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.91	98.5	6.00	2.27	
Total BTEX	<0.300	0.300	09/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.7	200	3.72	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	176	87.9	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					
Surrogate: 1-Chlorooctane	71.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.8	% 49.1-14	8						

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Received by OCD: 10/27/2023 1:06:50 PM

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

Notes and Definitions

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: Dia	(575) 393-2326 mondBack Disposals	5 FAX (575) 393-	2476						BILL TO ANALYSIS REC							REQ	UEST						_			
Project Manager: Ju	stin Roberts							-	P.0	#:					1	T	1	T	T	T		T		T		Г
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City: Hobbs	State: NN	ZIP: 88240							Attn	· .		-			-											
Phone #: (575)-392-9996							Add		s:				-													
Project #:									City						-	1.										
Project Name:	MOC-467 Zach 17/8 W1MD Fed Com	#1H Battery		-					Stat			-	Zip:		+											
Project Location:	32.0377027,-103.5991772 N	-							Pho		ŧ.	_			-											
Sampler Name:	Jason Owsley						_		Fax						-											
FOR LAB USE ONLY	Jason Owsley					MAT	PIX				ERV.	-	SAMPLI	NG	-											
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER		SLUDGE	OTHER :		ICE / COOL OTHER :					EXT	DTEV									-
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September 11, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZACH 17/8 W1MD FED COM #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/07/23 8:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Analytical Results For:

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

Received:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 1 @ 4' (H234836-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	<0.050	0.050	09/07/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/07/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	199	99.4	200	2.33	
DRO >C10-C28*	1360	10.0	09/07/2023	ND	202	101	200	8.01	
EXT DRO >C28-C36	305	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	0						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 2 @ 4' (H234836-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	09/07/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	<0.050	0.050	09/07/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/07/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	609	10.0	09/07/2023	ND	197	98.4	200	4.26	QM-07
EXT DRO >C28-C36	130	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 3 @ 4' (H234836-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	<0.050	0.050	09/07/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/07/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	09/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	1010	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	223	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.7	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 4 @ 4' (H234836-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	<0.050	0.050	09/07/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/07/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	650	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	152	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 5 @ 4' (H234836-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	0.052	0.050	09/07/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/07/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	09/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	644	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	151	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 6 @ 4' (H234836-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	0.060	0.050	09/07/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/07/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	656	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	157	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 7 @ 4' (H234836-07)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	<0.050	0.050	09/07/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/07/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	981	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	219	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 8 @ 4' (H234836-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	0.055	0.050	09/08/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	1080	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	229	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 9 @ 3' (H234836-09)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	<0.050	0.050	09/08/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	09/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	1240	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	288	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: DP 10 @ 3' (H234836-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	0.057	0.050	09/08/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	09/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	732	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	173	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.6	% 49.1-14	8						

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Received by OCD: 10/27/2023 1:06:50 PM

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

Notes and Definitions

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

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September 11, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZACH 17/8 W1MD FED COM #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/07/23 8:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Analytical Results For:

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

Received:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 20 @ 3'6" (H234837-01)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	<0.050	0.050	09/08/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	09/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	869	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	241	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 21 @ 3'6" (H234837-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	<0.050	0.050	09/08/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	09/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.5	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	1210	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	255	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.6	% 49.1-14	8						

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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:	09/07/2023	Sampling Date:	09/06/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	ZACH 17/8 W1MD FED COM #1H BATTE	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Dionica Hinojos
Project Location:	32.0377027,-103.5991772 NM		

Sample ID: B 22 @ 3'6" (H234837-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.87	93.5	2.00	1.43	
Toluene*	<0.050	0.050	09/08/2023	ND	1.91	95.5	2.00	0.873	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	1.95	97.5	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.83	97.2	6.00	1.58	
Total BTEX	<0.300	0.300	09/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	09/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	188	93.8	200	1.26	
DRO >C10-C28*	690	10.0	09/07/2023	ND	197	98.4	200	4.26	
EXT DRO >C28-C36	179	10.0	09/07/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.1	% 49.1-14	8						

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Received by OCD: 10/27/2023 1:06:50 PM

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

Notes and Definitions

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 6

	101 East Marlan (575) 393-2326	d, Hobbs, NM 8 5 FAX (575) 393									家族的 武士和子 著者國 斯马尔子											
Company Name: Dia	mondBack Disposals								BI	LL TO				ANAL	YSIS F	REQU	JEST					
Project Manager: Jus	stin Roberts						F	P.O. #	:			1	1			1		1	T	1		
Address: 2525 NW C	ounty RD							Compa	any:			1						× .				
City: Hobbs	State: NM	ZIP: 88240					1	Attn:				1										
Phone #: (575)-392-9	996						4	Address:				1										
Project #:	MOC-467							City:				1										
Project Name:	Zach 17/8 W1MD Fed Com	#1H Battery					5	State:		Zip:		1										
Project Location:	32.0377027,-103.5991772					F	hone	#:			1											
Sampler Name:	Jason Owsley					F	ax #:				1											
FOR LAB USE ONLY	MATRIX					ATRIX	_	PRE	SERV.	SAMPLI	NG	1										
Lab I.D. HJB4937	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS GROUNDWATER	WASTEWATER	OIL		ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	CL	EXT TPH	BTEX								
1	B20@3'6"		c ·	1	X		Ť		X	9/6/23	3:00 PM	x	x	x								
9	B21 @ 3'6" .		с	1	X				X	9/6/23 .	3:02 PM	x	x	x			'					
2	B22 @ 3'6"		с	1	X				X	9/6/23	3:04 PM	X	x	x								
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plicable service. In no event shall	Cardinal's liability and client's exclusive remedy for an Cardinal be liable for incidental or consequental f or related to the performance of services hereur	damages, including without	limitation,	business in	terruptions	loss of use,	or loss	of profits	incurred by	client, its subsidiaries		and any other of	cause whatso	ever shall be dee	emed waived	unless m	ade in writing	and receiv	ved by Card	dinal within 30) days after co	ompletion of the
Relinquished By:		Date: 976	Rec	eived E	By:						Verbal Resu				mailada		Fhc .3#		ndhaal		,	
EM	7~	Time: B-21	1	Z	211	bur	2				All Results a Yesenial@di				mail add	aress:	Jasono	golamo	nabaci	knm.com	1	
elinquished By:	Č	Date:	Rec	eived E	By:	1	\geq	6			REMARKS:											
		Time:	1																			
elivered By: (Circle O	ne) Obs	erved Temp. °C -(D.U	°C		Conditi	on			KED BY:	Turnaround Time:	Standa	rd 🖸	Bacteria (only)	Sample Cor	ndition						
Sampler - UPS - Bus -	Other: Cor	rected Temp. °C			Cool				(In	itials)	Rush	Cool Inta	ct Observ	ed Temp. °C								
									V	١٨	Thermometer I Correction Fac							-	orrected T	emp °C		
6									10		1						No C		orrected 1	emp. C		

September 19, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZACH 17/89 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/12/23 16:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. P. O. BOX 2491 HOBBS NM, 88241	Project Number: Project Manager:	ZACH 17/89 BATTERY MOC-467 JUSTIN ROBERTS (575) 392-9376	Reported: 19-Sep-23 09:12
--	-------------------------------------	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP 1 @ 5'	H234932-01	Soil	12-Sep-23 12:00	12-Sep-23 16:06
DP 2 @ 5'	H234932-02	Soil	12-Sep-23 12:02	12-Sep-23 16:06
DP 3 @ 5'	H234932-03	Soil	12-Sep-23 12:04	12-Sep-23 16:06
DP 4 @ 5'	H234932-04	Soil	12-Sep-23 13:00	12-Sep-23 16:06
DP 5 @ 6'	H234932-05	Soil	12-Sep-23 13:02	12-Sep-23 16:06
DP 6 @ 5'	H234932-06	Soil	12-Sep-23 13:04	12-Sep-23 16:06
DP 7 @ 5'	H234932-07	Soil	12-Sep-23 13:06	12-Sep-23 16:06
DP 8 @ 5'	H234932-08	Soil	12-Sep-23 13:08	12-Sep-23 16:06
DP 9 @ 4'	H234932-09	Soil	12-Sep-23 13:10	12-Sep-23 16:06
DP 10 @ 4'	H234932-10	Soil	12-Sep-23 13:12	12-Sep-23 16:06

09/18/23 - Client changed the project information (see COC). This is the revised report and will replace the one sent 09/18/23.

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Analytical Results For:

DIAMONDBACK DISPOSAL P. O. BOX 2491 HOBBS NM, 88241	SERVICE INC.		Project Num Project Mana		1	Reported: 19-Sep-23 09:12				
				P 1 @ 5' 932-01 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds Chloride	16.0		16.0	mg/kg	4	3091417	AC	14-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		114 %	71.5	-134	3091317	JH/	15-Sep-23	8021B	
Petroleum Hydrocarbons by (GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctane			84.9 %	48.2	-134	3091310	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			92.0 %	49.1	-148	3091310	MS	14-Sep-23	8015B	

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Analytical Results For:

DIAMONDBACK DISPOSAL SE P. O. BOX 2491 HOBBS NM, 88241	ERVICE INC.		Project Num Project Mana Fax		1	Reported: 9-Sep-23 09:	12			
				2 @ 5 932-02 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	<16.0		16.0	mg/kg	4	3091417	AC	14-Sep-23	4500-Cl-B	
Volatile Organic Compounds by		8021	10.0	88	·					
Benzene*	<0.050	021	0.050	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3091317	JH/	15-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			114 %	71.5	-134	3091317	JH/	15-Sep-23	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctane			86.3 %	48.2	-134	3091310	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			94.2 %	49.1	-148	3091310	MS	14-Sep-23	8015B	

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. Project: ZACH 17/89 BATTERY Reported: P. O. BOX 2491 Project Number: MOC-467 19-Sep-23 09:12 HOBBS NM, 88241 Project Manager: JUSTIN ROBERTS Fax To: (575) 392-9376 DP 3 @ 5' H234932-03 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
Inorganic Compounds	<16.0		16.0		4	3091417	AC	14-Sep-23	4500-Cl-B		
Chloride	<16.0		16.0	mg/kg	4	3091417	AC	14-Sep-25	4500-CI-B		
Volatile Organic Compounds by	VEPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	3091317	JH/	15-Sep-23	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	3091317	JH/	15-Sep-23	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091317	JH/	15-Sep-23	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091317	JH/	15-Sep-23	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	3091317	JH/	15-Sep-23	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5	-134	3091317	JH/	15-Sep-23	8021B		
Petroleum Hydrocarbons by GO	C FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B		
Surrogate: 1-Chlorooctane			83.4 %	48.2	-134	3091310	MS	14-Sep-23	8015B		
Surrogate: 1-Chlorooctadecane			90.0 %		-148	3091310	MS	14-Sep-23	8015B		

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Analytical Results For:

DIAMONDBACK DISPOSAL P. O. BOX 2491 HOBBS NM, 88241	SERVICE INC.		Project Num Project Mana Fax		Reported: 19-Sep-23 09:12					
			H2349	932-04 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	32.0		16.0	mg/kg	4	3091417	AC	14-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by FPA Method S	8021						-		
Benzene*	<0.050	0021	0.050	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		108 %	71.5	-134	3091317	MS	18-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091310	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctane			83.8 %	48.2	-134	3091310	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			91.3 %	49.1	-148	3091310	MS	14-Sep-23	8015B	

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. Project: ZACH 17/89 BATTERY Report P. O. BOX 2491 Project Number: MOC-467 19-Sep- HOBBS NM, 88241 Project Manager: JUSTIN ROBERTS Fax To: (575) 392-9376 DP 5 @ 6' H234932-05 (Soil)										
			H2349	932-05 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3091417	AC	14-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3091317	MS	18-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		107 %	71.5	-134	3091317	MS	18-Sep-23	8021B	
Petroleum Hydrocarbons by (GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctane			102 %	48.2	-134	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			117 %	49.1	-148	3091325	MS	14-Sep-23	8015B	

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Analytical Results For:

DIAMONDBACK DISPOSAL S P. O. BOX 2491 HOBBS NM, 88241	Service Inc.		Project Num Project Mana Fax	ger: JUS To: (57	Reported: 19-Sep-23 09:12					
				96 @ 5' 932-06 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds	-1(0		16.0		4	3091417	AC	14 6 - 22	4500-Cl-B	
Chloride	<16.0		16.0	mg/kg	4	3091417	AC	14-Sep-23	4500-CI-B	
Volatile Organic Compounds h	y EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5	-134	3091330	MS	18-Sep-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctane			95.0 %	48.2	-134	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			109 %	49.1	-148	3091325	MS	14-Sep-23	8015B	

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Analytical Results For:

DIAMONDBACK DISPOSAL P. O. BOX 2491 HOBBS NM, 88241	SERVICE INC.		Project Num Project Mana Fax	ber: MO ger: JUS		RTS		1	Reported: 9-Sep-23 09:	12
				932-07 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	80.0		16.0	mg/kg	4	3091417	AC	14-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		106 %	71.5	-134	3091330	MS	18-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctane			86.6 %	48.2	-134	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			98.1 %	49.1	-148	3091325	MS	14-Sep-23	8015B	

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Analytical Results For:

DIAMONDBACK DISPOSAL P. O. BOX 2491 HOBBS NM, 88241	SERVICE INC.		Project Num Project Mana Fax	ber: MO	TIN ROBER 5) 392-937	RTS		1	Reported: 9-Sep-23 09:	12
				952-08 (50)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	3091417	AC	14-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		109 %	71.5	-134	3091330	MS	18-Sep-23	8021B	
Petroleum Hydrocarbons by (GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctane			98.0 %	48.2	-134	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			111 %	49.1	-148	3091325	MS	14-Sep-23	8015B	

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Analytical Results For:

DIAMONDBACK DISPOSAL P. O. BOX 2491 HOBBS NM, 88241	Service Inc.	VICE INC. Project: ZACH 17/89 BATTERY Project Number: MOC-467 Project Manager: JUSTIN ROBERTS Fax To: (575) 392-9376							Reported: 9-Sep-23 09:	12
				9 @ 4' 932-09 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	112		16.0	mg/kg	4	3091417	AC	14-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3091330	MS	18-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		108 %	71.5	-134	3091330	MS	18-Sep-23	8021B	
Petroleum Hydrocarbons by (GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctane			84.3 %	48.2	-134	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			96.5 %	49.1	-148	3091325	MS	14-Sep-23	8015B	

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Analytical Results For:

DIAMONDBACK DISPOSAL P. O. BOX 2491 HOBBS NM, 88241	SERVICE INC.	E INC. Project: ZACH 17/89 BATTERY Project Number: MOC-467 Project Manager: JUSTIN ROBERTS Fax To: (575) 392-9376						1	Reported: 9-Sep-23 09:	12
				10 @ 4 932-10 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	128		16.0	mg/kg	4	3091417	AC	14-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3091330	JH/	15-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3091330	JH/	15-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3091330	JH/	15-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3091330	JH/	15-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3091330	JH/	15-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		113 %	71.5	-134	3091330	JH/	15-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctane			88.3 %	48.2	-134	3091325	MS	14-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			102 %	49.1	-148	3091325	MS	14-Sep-23	8015B	

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. P. O. BOX 2491 HOBBS NM, 88241	Project Number: Project Manager:	ZACH 17/89 BATTERY MOC-467 JUSTIN ROBERTS (575) 392-9376	Reported: 19-Sep-23 09:12
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Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3091417 - 1:4 DI Water										
Blank (3091417-BLK1)				Prepared &	Analyzed:	14-Sep-23				
Chloride	ND	16.0	mg/kg							
LCS (3091417-BS1)				Prepared &	Analyzed:	14-Sep-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3091417-BSD1)				Prepared &	Analyzed:	14-Sep-23				
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. P. O. BOX 2491 HOBBS NM, 88241	Project Number: M(Project Manager: JU		Reported: 19-Sep-23 09:12	
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

A	D1	Reporting	T	Spike	Source	0/DEC	%REC	DDD	RPD	Net
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3091317 - Volatiles										
Blank (3091317-BLK1)				Prepared: 1	3-Sep-23 A	nalyzed: 1	5-Sep-23			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0577		mg/kg	0.0500		115	71.5-134			
LCS (3091317-BS1)				Prepared: 1	3-Sep-23 A	nalyzed: 1	4-Sep-23			
Benzene	1.93	0.050	mg/kg	2.00		96.6	82.8-130			
Toluene	2.03	0.050	mg/kg	2.00		101	86-128			
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	85.9-128			
m,p-Xylene	4.07	0.100	mg/kg	4.00		102	89-129			
o-Xylene	2.01	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.09	0.150	mg/kg	6.00		101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0529		mg/kg	0.0500		106	71.5-134			
LCS Dup (3091317-BSD1)				Prepared: 1	3-Sep-23 A	nalyzed: 1	4-Sep-23			
Benzene	1.97	0.050	mg/kg	2.00		98.7	82.8-130	2.23	15.8	
Toluene	1.96	0.050	mg/kg	2.00		97.8	86-128	3.59	15.9	
Ethylbenzene	2.07	0.050	mg/kg	2.00		104	85.9-128	1.55	16	
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	89-129	1.93	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125	1.15	16.7	
Total Xylenes	6.19	0.150	mg/kg	6.00		103	88.2-128	1.67	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0523		mg/kg	0.0500		105	71.5-134			

Batch 3091330 - Volatiles

Blank (3091330-BLK1)			Prepared: 13-Sep-23 Analyzed: 14-Sep-23
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. P. O. BOX 2491 HOBBS NM, 88241	Project: ZACH 17/89 BATTERY Project Number: MOC-467 Project Manager: JUSTIN ROBERTS Fax To: (575) 392-9376	Reported: 19-Sep-23 09:12
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3091330 - Volatiles										
Blank (3091330-BLK1)				Prepared: 1	3-Sep-23 A	Analyzed: 1	4-Sep-23			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0561		mg/kg	0.0500		112	71.5-134			
LCS (3091330-BS1)				Prepared: 1	3-Sep-23 A	analyzed: 1	4-Sep-23			
Benzene	1.92	0.050	mg/kg	2.00		95.8	82.8-130			
Toluene	1.92	0.050	mg/kg	2.00		95.9	86-128			
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	85.9-128			
m,p-Xylene	4.09	0.100	mg/kg	4.00		102	89-129			
o-Xylene	1.99	0.050	mg/kg	2.00		99.5	86.1-125			
Total Xylenes	6.08	0.150	mg/kg	6.00		101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0529		mg/kg	0.0500		106	71.5-134			
LCS Dup (3091330-BSD1)				Prepared: 1	3-Sep-23 A	Analyzed: 1	4-Sep-23			
Benzene	1.95	0.050	mg/kg	2.00		97.3	82.8-130	1.49	15.8	
Toluene	2.03	0.050	mg/kg	2.00		101	86-128	5.59	15.9	
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	85.9-128	0.508	16	
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	89-129	0.736	16.2	
o-Xylene	2.05	0.050	mg/kg	2.00		102	86.1-125	2.92	16.7	
Total Xylenes	6.17	0.150	mg/kg	6.00		103	88.2-128	1.46	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	71.5-134			

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. P. O. BOX 2491 HOBBS NM, 88241	Project: ZACH 17/89 BATTEF Project Number: MOC-467 Project Manager: JUSTIN ROBERTS Fax To: (575) 392-9376	RY Reported: 19-Sep-23 09:12
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3091310 - General Prep - Organics										
Blank (3091310-BLK1)				Prepared &	k Analyzed:	13-Sep-23				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	36.6		mg/kg	50.0		73.1	48.2-134			
Surrogate: 1-Chlorooctadecane	39.9		mg/kg	50.0		79.8	49.1-148			
LCS (3091310-BS1)				Prepared &	k Analyzed:	<u>13-Sep-23</u>				
GRO C6-C10	182	10.0	mg/kg	200		90.9	66.4-123			
DRO >C10-C28	193	10.0	mg/kg	200		96.3	66.5-118			
Total TPH C6-C28	374	10.0	mg/kg	400		93.6	77.6-123			
Surrogate: 1-Chlorooctane	44.2		mg/kg	50.0		88.5	48.2-134			
Surrogate: 1-Chlorooctadecane	46.0		mg/kg	50.0		92.1	49.1-148			
LCS Dup (3091310-BSD1)				Prepared &	k Analyzed:	13-Sep-23				
GRO C6-C10	184	10.0	mg/kg	200		91.9	66.4-123	1.06	17.7	
DRO >C10-C28	190	10.0	mg/kg	200		94.9	66.5-118	1.51	21	
Total TPH C6-C28	373	10.0	mg/kg	400		93.4	77.6-123	0.250	18.5	
Surrogate: 1-Chlorooctane	38.8		mg/kg	50.0		77.6	48.2-134			
Surrogate: 1-Chlorooctadecane	39.7		mg/kg	50.0		79.3	49.1-148			
Batch 3091325 - General Prep - Organics										
Blank (3091325-BLK1)				Prepared: 1	13-Sep-23 A	nalyzed: 1	4-Sep-23			
GRO C6-C10	ND	10.0	mg/kg							
BB 0 040 040		4.0								

GRO C6-C10	ND	10.0	mg/kg					
DRO >C10-C28	ND	10.0	mg/kg					
EXT DRO >C28-C36	ND	10.0	mg/kg					
Surrogate: 1-Chlorooctane	43.4		mg/kg	50.0	86.7	48.2-134		
Surrogate: 1-Chlorooctadecane	50.1		mg/kg	50.0	100	49.1-148		

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Analytical Results For:

P. O. BOX 2491 Project Number: MOC-467 19-Sep-23 09:1 HOBBS NM, 88241 Project Manager: JUSTIN ROBERTS Fax To: (575) 392-9376		Project Manager: JUSTIN ROBERTS	Reported: 19-Sep-23 09:12
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3091325 - General Prep - Organics										
LCS (3091325-BS1)				Prepared: 1	3-Sep-23 A	nalyzed: 1	4-Sep-23			
GRO C6-C10	201	10.0	mg/kg	200		101	66.4-123			
DRO >C10-C28	202	10.0	mg/kg	200		101	66.5-118			
Total TPH C6-C28	403	10.0	mg/kg	400		101	77.6-123			
Surrogate: 1-Chlorooctane	50.4		mg/kg	50.0		101	48.2-134			
Surrogate: 1-Chlorooctadecane	54.6		mg/kg	50.0		109	49.1-148			
LCS Dup (3091325-BSD1)				Prepared: 1	3-Sep-23 A	nalyzed: 1	4-Sep-23			
GRO C6-C10	198	10.0	mg/kg	200		99.1	66.4-123	1.63	17.7	
DRO >C10-C28	202	10.0	mg/kg	200		101	66.5-118	0.318	21	
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123	0.654	18.5	
Surrogate: 1-Chlorooctane	45.2		mg/kg	50.0		90.5	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			

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Notes and Definitions

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

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

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Released to Imaging: 2/15/2024 2:08:26 PM

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September 19, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: ZACH 17/89 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/12/23 16:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Analytical Results For:

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

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/19/2023	Sampling Type:	Soil
Project Name:	ZACH 17/89 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: B 20 @ 4' (H234933-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	09/14/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	09/14/2023	ND	1.92	95.9	2.00	5.59	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	0.508	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.08	101	6.00	1.46	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	201	101	200	1.63	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	202	101	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	0						

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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:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/19/2023	Sampling Type:	Soil
Project Name:	ZACH 17/89 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: B 21 @ 4' (H234933-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	09/15/2023	ND	1.92	95.9	2.00	5.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	0.508	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.08	101	6.00	1.46	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	201	101	200	1.63	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	202	101	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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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:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/19/2023	Sampling Type:	Soil
Project Name:	ZACH 17/89 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	MOC-467	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: B 22 @ 4' (H234933-03)

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	09/18/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	09/18/2023	ND	1.92	95.9	2.00	5.59	
Ethylbenzene*	<0.050	0.050	09/18/2023	ND	2.04	102	2.00	0.508	
Total Xylenes*	<0.150	0.150	09/18/2023	ND	6.08	101	6.00	1.46	
Total BTEX	<0.300	0.300	09/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	201	101	200	1.63	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	202	101	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Notes and Definitions

- ND
 Analyte NOT DETECTED at or above the reporting limit

 RPD
 Relative Percent Difference

 **
 Samples not received at proper temperature of 6°C or below.

 Insufficient time to reach temperature.

 Chloride by SM4500CI-B does not require samples be received at or below 6°C
 - Samples reported on an as received basis (wet) unless otherwise noted on report

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

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

CONDITIONS

Operator:	OGRID:		
MEWBOURNE OIL CO	14744		
P.O. Box 5270	Action Number:		
Hobbs, NM 88241	280350		
	Action Type:		
	[C-141] Release Corrective Action (C-141)		
4	[• · · ·]······ • · · · · · · · (• · · ·)		

CONDITIONS

Created By Condition

Area in battery containment represented by sample ID's DP 01 through DP10 approved for deferral. Site will need to be remediated and then reclaimed at 2/15/2024 scwells time of a major facility deconstruction or at plugging and abandonment, whichever comes first.

Action 280350

Condition Date