

Incident ID	NAPP2135156642
District RP	
Facility ID	
Application ID	

Closure


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

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

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

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

Printed Name: Connor Walker Title: Sr. Engineer

Signature: 

Date: 5/9/2023

email: cwalker@mewbourne.com

Telephone: 806-202-5281

OCD Only

Received by: Jocelyn Harimon

Date: 05/09/2023

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

Closure Approved by: Robert Hamlet Date: 9/25/2023

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced

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Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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Printed Name: Connor Walker Title: Sr. EngineerSignature:  Date: 05/9/2023email: cwalker@mewbourne.com Telephone: 806-202-5281**OCD Only**Received by: Jocelyn Harimon Date: 05/09/2023

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
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Printed Name: Connor Walker Title: Sr. Engineer

Signature: 

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Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____



Forty Niner Ridge Unit #116H Frac Line

NAPP2135156642

Final Remediation Report



2525 NW County Rd

Hobbs, NM 88240

[\(575\) 392-9996](tel:5753929996)

Introduction

This report represents the results of remediation activities at the Forty Niner Ridge Unit #116H Frac Line. On behalf of Mewbourne Oil Company (Mewbourne), Diamondback Disposal Services, Inc. (Diamondback) was tasked with the cleanup and remediation of release NAPP2135156642. The release occurred in Unit Letter O, Section 16, Township 23S, Range 30E at coordinates 32.2998470, -103.8816638. 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 along a pipeline in the right of way located on State land and the affected area consisted of grass, prairie, and range lands. A lay-flat pipeline supplying water to a frac was pinched by heavy equipment driving over an airbridge. This caused the line to fail due to an increase in pressure. Approximately 93 barrels of produce water was lost with nothing recovered. All figures were calculated based on normal flow rates provided by transfer company.

Regulatory Guidelines

Upon review of the site characteristics and a search of a groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) a survey was conducted to determine the average depth to groundwater within a one (1) mile radius of the release site and identify any registered water wells within a ½ mile radius of the release site. Point of Diversion C 04018 POD1 was identified and found to have a depth of 179ft to groundwater. Table 1 NMAC 19.15.29.12 closure criteria for groundwater less that 50ft (See Table Below) will be utilized per Mewbourne's request.

Table 1 NMAC 19.15.29.12		
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 March 4th, 2022 and June 23rd, 2022 Diamondback excavated approximately 3400 cubic yards (cy) of impacted material, loaded and transported it to R-360 Halfway Facility for disposal. Depth of excavation ranges from 1-foot BGS to 10.5-feet BGS. Between the dates of March 9th, 2022 and June 24th, 2022 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, all wall samples proved to be below table 1 RRAL's for site closure. At locations where floor soil sample results exceeded allowed levels of Chloride these areas were over excavated and resampled. Being that Table 1 Closure Criteria for groundwater 50' BGS, all restoration and reclamation limits have been met.

On July 1st, 2022 , backfilling began and ran through July 7th. Approximately 3300 cy of material was obtained from a local source. Backfill was placed in a manner that will promote compaction, prevent storm water run-off and erosion and allow for vegetation to grow. The affected area will be reseeded during an optimal time conducive to growth, with an approved state seed mix.

Conclusion

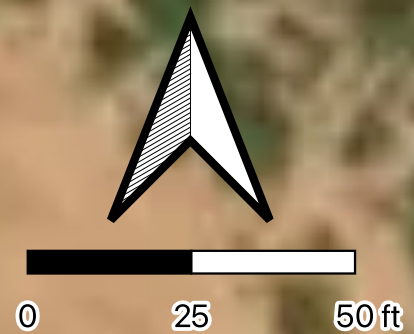
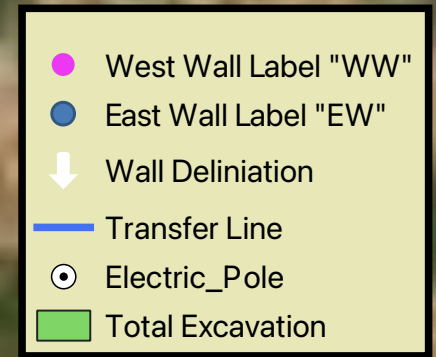
Upon review of all analytical data provided by the third-party independent lab, results indicated that all recommended remediation action levels and restoration/reclamation criteria were met for all excavated areas. On behalf of Mewbourne Oil Company, we respectfully request the NMOCD grant closure approval for the Forty Niner Ridge Unit Frac Line NAPP2135156642.

TABLE 1
MEWBOURNE OIL COMPANY
PAVO FRIO 29/30 B3CD FEDERAL COM 1H

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/kg	ETHYL-BENZEN (mg/kg)	TOTAL XYLENES mg/kg	TOTAL BTX (mg/kg)	GRO C 6-C 10 (mg/kg)	DRO C 6-C 10 (mg/kg)	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
WW- 1 WALL	H222701-01	0-6'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
WW- 2 WALL	H221057-10	0-6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
WW- 3 WALL	H221057-11	0-6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
WW- 4 WALL	H221057-12	0-6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
WW- 5 WALL	H222675-04	6-8'	06-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
WW- 6 WALL	H222701-02	3-8'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
WW- 7 WALL	H222701-03	8-10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
WW- 8 WALL	H222701-04	3-10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
WW- 9 WALL	H222701-05	3-10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
WW- 10 WALL	H222701-06	0-3'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
EW- 01 WALL	H220947-01	0-4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
EW- 02 WALL	H220947-02	0-4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
EW- 03 WALL	H220947-03	0-4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
EW- 04 WALL	H220947-04	0-4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EW- 05 WALL	H220947-05	0-4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
EW- 06 WALL	H220947-06	0-4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
EW- 07 WALL	H220947-07	0-1'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EW- 08 WALL	H222643-01	0-8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
EW-09 WALL	H222643-02	0-8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EW- 10 WALL	H221068-07	4-6'	03-17-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EW- 11 WALL	H221068-08	4-6'	03-17-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
EW-12 WALL	H222643-03	0-8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EW-13 WALL	H222643-04	0-8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
EW-14 WALL	H222643-05	0-8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
EW-15 WALL	H222643-06	0-8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
EW-16 WALL	H222643-07	6-8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
EW-17 WALL	H222675-01	0-8'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EW-18 WALL	H222675-02	3-10'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
EW-19 WALL	H222675-03	0-3'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
EW-20 WALL	H222716-01	8-10'	6-24-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
EW-21 WALL	H222716-02	8-10'	6-24-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272

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WB- 1 FLOOR	H221057-01	6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
WB- 2 FLOOR	H221057-02	6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
WB- 3 FLOOR	H221057-03	6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
WB- 4 FLOOR	H221057-04	6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
WB- 5 FLOOR	H222674-05	8'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
WB- 6 FLOOR	H222674-06	8'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
WB- 7 FLOOR	H221057-05	6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
WB- 8 FLOOR	H222700-01	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
WB- 9 FLOOR	H222674-07	8'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
WB- 10 FLOOR	H221057-06	6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
WB- 11 FLOOR	H222700-07	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
WB- 12 FLOOR	H221057-07	6'	03-16-22	COMP	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	176
WB- 13 FLOOR	H221057-08	6'	03-16-22	COMP	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	224
WB- 14 FLOOR	H221057-09	6'	03-16-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
WB- 15 FLOOR	H222700-02	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
WB- 16 FLOOR	H222700-08	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
WB- 17 FLOOR	H222700-11	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
EB- 1 FLOOR	H220947-08	1'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
EB- 2 FLOOR	H220947-09	4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EB- 3 FLOOR	H220947-10	4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
EB- 4 FLOOR	H220947-11	4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EB- 5 FLOOR	H220947-12	4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EB- 6 FLOOR	H220947-13	4'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0

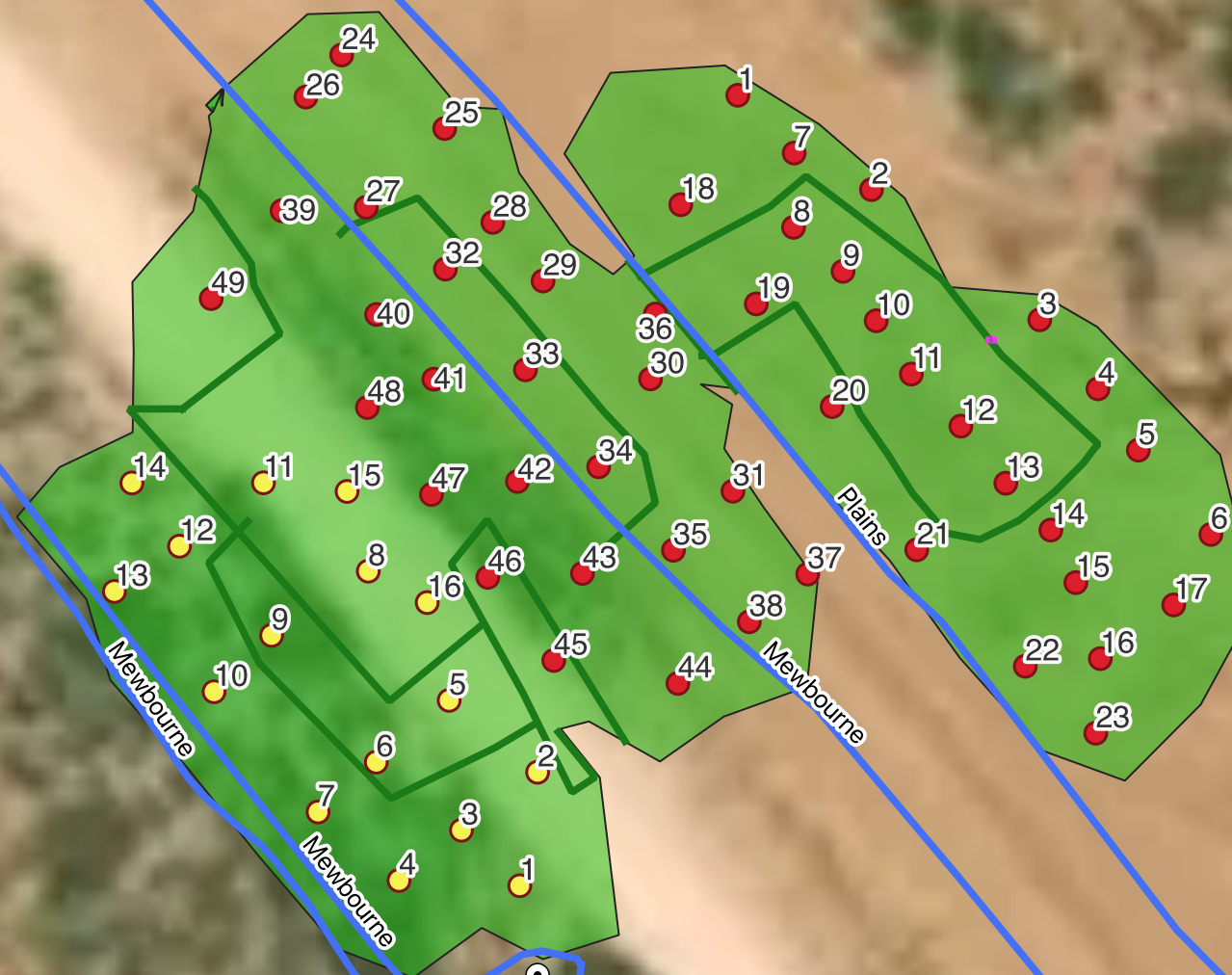
EB- 35 FLOOR	H222642-02	8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
EB- 36 FLOOR	H222628-08	8'	03-09-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
EB- 37 FLOOR	H222642-03	8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
EB- 38 FLOOR	H222642-04	8'	6-21-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
EB- 39 FLOOR	H222700-06	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
EB- 40 FLOOR	H222700-06	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
EB- 41 FLOOR	H222700-04	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	704
EB- 41 FLOOR	H212726-01	10'6"	6-24-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
EB- 42 FLOOR	H222700-05	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
EB- 43 FLOOR	H222674-01	9'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
EB- 44 FLOOR	H222674-02	8'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
EB- 45 FLOOR	H222674-03	3'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EB- 46 FLOOR	H222674-04	4'	6-22-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
EB- 47 FLOOR	H222700-03	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
EB- 48 FLOOR	H222700-10	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
EB- 49 FLOOR	H222700-12	10'	6-23-22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0



Wall Sample Map
NAPP2135156642
Mewbourne Oil Co.
Eddy County, New Mexico



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



- West Floor Sample "WB"
- East Floor Sample "EB"
- Transfer Line
- Electric Pole
- Total Excavation



0 25 50 ft

Floor Sample Maps
NAPP2135156642
Mewbourne Oil Co.
Eddy County, New Mexico



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

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS

Action 67851

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67851
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	Forty Niner Ridge Unit #116H Frac Line
Date Release Discovered	12/07/2021
Surface Owner	State

Incident Details	
<i>Please answer all of the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 93 BBL Recovered: 0 BBL Lost: 93 BBL]
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 67851

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67851
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Connor Walker
If YES, was immediate notice given to the OCD, to whom	OCD.Enviro@state.nm.us
If YES, was immediate notice given to the OCD, when	12/07/2021
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	email
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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ACKNOWLEDGMENTS

Action 67851

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67851
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 67851

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67851
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
c.walker	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/17/2021

48 hr Notice Napp2135156642

From: Justin Roberts (diamondback2491@yahoo.com)

To: emnrd-ocd-district2spills@state.nm.us

Date: Thursday, June 23, 2022, 08:22 AM MDT

All

Please let this serve as 48 hour notice of confirmation sampling at the Mewbourne Oil Company New Wave Site (Napp2135156642). Site location is at 32.2998470, -103.8816638. We will be conducting confirmation sampling on Monday 6-27-22 at 8:00 AM. If you have any questions please feel free to reach out.

Have a Good Day!

Justin Roberts

Diamondback Disposal Services, Inc.


575-392-9996 - Office

575-631-9586 - Cell



New Mexico Office of the State Engineer

Point of Diversion Summary

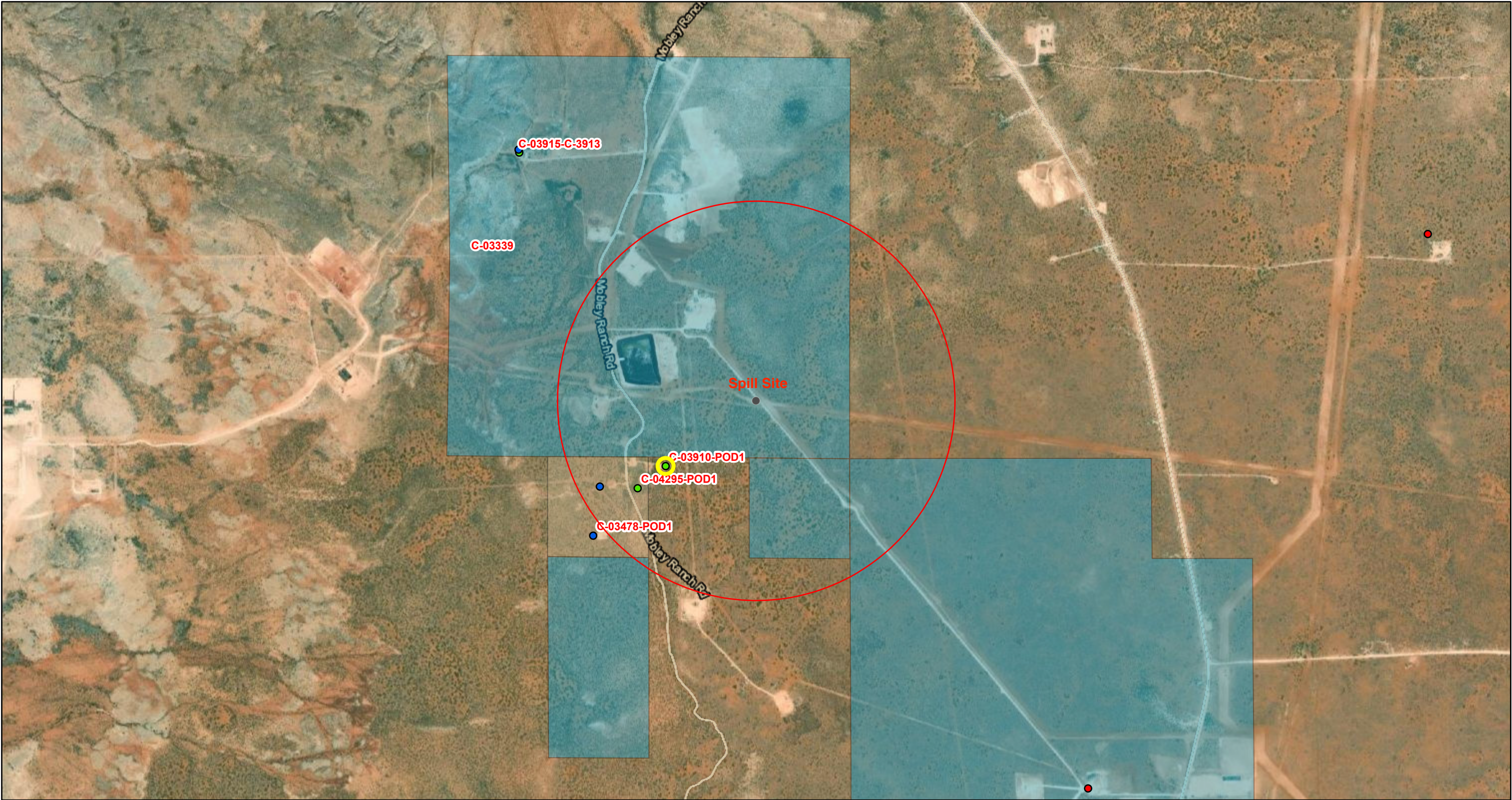
		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04018 POD1	2	2	1	21	23S	30E	604664	3573868 
<hr/>									
Driller License: 1737		Driller Company:		SHADE TREE DRILLING					
Driller Name:		JUSTIN MULLINS							
Drill Start Date: 03/24/2017		Drill Finish Date:		03/28/2017		Plug Date:			
Log File Date: 09/11/2017		PCW Rcv Date:						Source: Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield: 65 GPM	
Casing Size: 8.00		Depth Well:		380 feet		Depth Water:		179 feet	
<hr/>									
Water Bearing Stratifications:		Top	Bottom	Description					
		170	180	Other/Unknown					
		190	223	Sandstone/Gravel/Conglomerate					
<hr/>									
Casing Perforations:		Top	Bottom						
		120	140						
		180	200						
		220	240						
		260	360						
<hr/>									

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

6/27/22 11:40 AM

POINT OF DIVERSION SUMMARY

OSE POD Locations Map



6/27/2022, 11:39:08 AM

GIS WATERS PODs OSE District Boundary SiteBoundaries

- Active

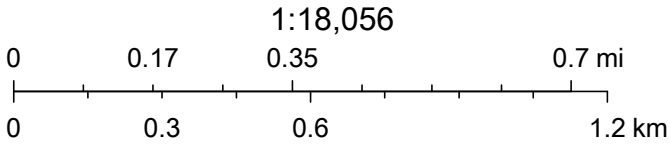
● Pending

● Plugged

New Mexico State Trust Lands

Subsurface Estate

Both Estates



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





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

March 14, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FOURTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 03/09/22 15:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EW 1 @ 0-4' (H220947-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80	
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71	
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94	
Total BTEX	<0.300	0.300	03/11/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/11/2022	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	03/11/2022	ND	204	102	200	2.11	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	108	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EW 2 @ 0-4' (H220947-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/11/2022	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	03/11/2022	ND	204	102	200	2.11	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	108	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EW 3 @ 0-4' (H220947-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTX	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/11/2022	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	03/11/2022	ND	204	102	200	2.11	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	108	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EW 4 @ 0-4' (H220947-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTX	<0.300	0.300	03/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/11/2022	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	03/11/2022	ND	204	102	200	2.11	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	108	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EW 5 @ 0-4' (H220947-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/11/2022	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	03/11/2022	ND	204	102	200	2.11	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	108	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EW 6 @ 0-4' (H220947-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTX	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/11/2022	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	03/11/2022	ND	204	102	200	2.11	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	108	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EW 7 @ 0-1' (H220947-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTX	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/11/2022	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	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 1 @ 1' (H220947-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/11/2022	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	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 2 @ 4' (H220947-09)

BTX 8021B			mg/kg							
			Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTX	<0.300	0.300	03/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/11/2022	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	03/11/2022	ND	190	94.9	200	1.09		
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559		
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND						

Surrogate: 1-Chlorooctane 98.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 3 @ 4' (H220947-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/11/2022	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	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 4 @ 4' (H220947-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.7 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 5 @ 4' (H220947-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.8 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 6 @ 4' (H220947-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.0 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 7 @ 4' (H220947-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 8 @ 4' (H220947-15)

BTX 8021B			mg/kg							
			Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTX	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09		
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559		
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND						

Surrogate: 1-Chlorooctane 93.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.3 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 13 @ 4' (H220947-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.4 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 14 @ 4' (H220947-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.2 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 15 @ 4' (H220947-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.17	109	2.00	1.49		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	2.71		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.47	108	6.00	3.94		
Total BTEx	<0.300	0.300	03/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 94.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.4 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 16 @ 4' (H220947-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.10	105	2.00	0.996		
Toluene*	<0.050	0.050	03/11/2022	ND	2.11	106	2.00	3.53		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	1.83		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.46	108	6.00	1.78		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 69.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.0 % 59.5-142

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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 17 @ 4' (H220947-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2022	ND	2.10	105	2.00	0.996	
Toluene*	<0.050	0.050	03/11/2022	ND	2.11	106	2.00	3.53	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.46	108	6.00	1.78	
Total BTEx	<0.300	0.300	03/11/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 90.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.8 % 59.5-142

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

Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 18 @ 4' (H220947-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.10	105	2.00	0.996		
Toluene*	<0.050	0.050	03/11/2022	ND	2.11	106	2.00	3.53		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	1.83		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.46	108	6.00	1.78		
Total BTEx	<0.300	0.300	03/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.2 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 20 @ 4' (H220947-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.10	105	2.00	0.996		
Toluene*	<0.050	0.050	03/11/2022	ND	2.11	106	2.00	3.53		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	1.83		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.46	108	6.00	1.78		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/12/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 21 @ 4' (H220947-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.10	105	2.00	0.996		
Toluene*	<0.050	0.050	03/11/2022	ND	2.11	106	2.00	3.53		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	1.83		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.46	108	6.00	1.78		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 22 @ 4' (H220947-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.10	105	2.00	0.996		
Toluene*	<0.050	0.050	03/11/2022	ND	2.11	106	2.00	3.53		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	1.83		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.46	108	6.00	1.78		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 23 @ 4' (H220947-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.10	105	2.00	0.996		
Toluene*	<0.050	0.050	03/11/2022	ND	2.11	106	2.00	3.53		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.08	104	2.00	1.83		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.46	108	6.00	1.78		
Total BTEx	<0.300	0.300	03/11/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/12/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	208	104	200	0.559	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamond Back Project Manager: Justin Roberts Address: Hobbs City: Hobbs State: NM Zip: 88240 Phone #: Fax #: Project #: MOC-367 Project Owner: Project Name: Project Location: Foamy Niece New wave Sampler Name: Jason Oakes		P.O. #: Company: Mewbourne Attn: Robb C Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D. Sample I.D. H22047 1 EW100 0-4' 2 EW200 0-4' 3 EW300 0-4' 4 EW400 0-4' 5 EW500 0-4' 6 EW600 0-4' 7 EW700 0-1' 8 EW810 1' 9 EW920 4' 10 EW300 4'		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
DATE TIME 8-22 11:00 9:02 9:04 9:06 9:09 9:10 9:12 10:15 10:17 10:19		SAMPLING CL EXT TPH BTCE	
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Relinquished By: [Signature] Date: 8-22 Time: 1515 Received By: [Signature] Date: Time:		REMARKS:	
Relinquished By: [Signature] Date: Time:		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Thermometer ID #113 Correction Factor -0.5°C Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamond Back		P.O. #:		BILL TO				ANALYSIS REQUEST				
Project Manager: Justin Roberts		Company: Neuroscience										
Address:		Attn: Robbie										
City: Hobbs	State: NM	Zip: 88240										
Phone #:	Fax #:	Address:										
Project #: MOC-367	Project Owner:	City:	State:	Zip:								
Project Name:	Project Location: Ferty Niner, New Wave		Phone #:									
Sample Name: Jason Keene	Fax #:											
FOR LAB USE ONLY												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.	SAMPLING					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:
H210417	EB4404'	C	1			X						
11	EB4404'											
12	EB5004'											
13	EB6004'											
14	EB7004'											
15	EB8004'											
16	EB1304'											
17	EB1404'											
18	EB1504'											
19	EB1604'											
20	EB1704'											
<p>PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>												
Relinquished By:	Date: 5-9-22	Received By:										
Time: 1515												
Relinquished By:	Date:	Received By:										
Time:												
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)									
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
		Thermometer ID #113	Turnaround Time:	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition							
		Correction Factor -0.5°C			Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Observed Temp. °C						
					Corrected Temp. °C							
<p>Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:</p> <p>All Results are emailed. Please provide Email address:</p> <p>REMARKS: Jason / Justin / Robbie</p>												

FORM-006 R-3.2 10/07/21

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamond Back										P.O. #:										BILL TO										ANALYSIS REQUEST									
Project Manager: TASTIN ROBBIE										Company: meabene																													
Address:										Attn: Robbie																													
City: Hobbs										Address:																													
State: Nm										City:																													
Zip: 88240										State:																													
Phone #:										Phone #:																													
Fax #:										Fax #:																													
Project #: MOE-367										Project Owner:																													
Project Name:										State:																													
Project Location: Ferry Road New Wave										Phone #:																													
Fax #:										Fax #:																													
Sampler Name: JASON CASKLEY										MATRIX										PRESERV										SAMPLING									
FOR LAB USE ONLY																																							
Lab I.D.										Sample I.D.																													
H22D947																																							
21										C																													
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 22, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FOURTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 03/16/22 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WB 1 @ 6' (H221057-01)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29	
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15	
Total BTX	<0.300	0.300	03/21/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/21/2022	ND	432	108	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	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WB 2 @ 6' (H221057-02)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29		
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15		
Total BTEX	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2022	ND	432	108	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	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WB 3 @ 6' (H221057-03)

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	03/21/2022	ND	2.13	107	2.00	2.29		
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15		
Total BTEx	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/21/2022	ND	432	108	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	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 73.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WB 4 @ 6' (H221057-04)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29	
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15	
Total BTX	<0.300	0.300	03/21/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/21/2022	ND	432	108	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	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WB 7 @ 6' (H221057-05)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29		
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15		
Total BTEx	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/21/2022	ND	432	108	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	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WB 10 @ 6' (H221057-06)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29		
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15		
Total BTEx	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/21/2022	ND	432	108	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	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WB 12 @ 6' (H221057-07)

BTX 8021B			mg/kg							
			Analyzed By: MS\							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29		
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15		
Total BTX	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	208	104	200	2.41		
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77		
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND						

Surrogate: 1-Chlorooctane 72.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WB 13 @ 6' (H221057-08)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29		
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15		
Total BTEx	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WB 14 @ 6' (H221057-09)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29		
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15		
Total BTEx	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 70.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.2 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WW 2 @ 0-6' (H221057-10)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29	
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15	
Total BTX	<0.300	0.300	03/21/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WW 3 @ 0-6' (H221057-11)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29		
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15		
Total BTEX	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: WW 4 @ 0-6' (H221057-12)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.13	107	2.00	2.29		
Toluene*	<0.050	0.050	03/21/2022	ND	2.12	106	2.00	2.13		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.11	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.49	108	6.00	1.15		
Total BTEX	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



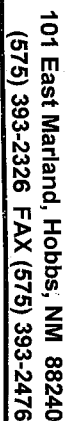
**101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476**

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamond Back							BILL TO							ANALYSIS REQUEST																						
Project Manager: Justin Roberts							P.O. #:																													
Address:							Company: Newbonen																													
City: Hobbs							Attn: Robbie																													
State: NM							Zip: 88240																													
Phone #:							Address:																													
Fax #:							City:																													
Project #: mac-367							Project Owner:																													
Project Name:							State:																													
Project Location: Furry Ranch New wave							Phone #:																													
Sample Name: Jason Casley							Zip:																													
FOR LAB USE ONLY							Fax #:																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS	MATRIX		PRESERV.	SAMPLING																										
											DATE	TIME																								
H221057	WB1 @ G'	C	1			GROUNDWATER					3/12/22	12:00	X	CL	X	EXT TPH	X	BTEX																		
	WB2 @ G'					WASTEWATER						12:02																								
	WB3 @ G'					SOIL						12:04																								
	WB4 @ G'					OIL						12:06																								
	WB7 @ G'					SLUDGE						(2:04)																								
	WB10 @ G'					OTHER :						1:00a																								
	WB12 @ G'					ACID/BASE:						1:02 a																								
	WB13 @ G'					ICE / COOL						1:04a																								
	WB14 @ G'					OTHER :						1:06 a																								

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Relinquished By:		Date: 3/16/22		Received By:		Date: 3/16/22	
Relinquished By:		Date:		Received By:		Date:	
Turnaround Time:		Standard		Add'l Phone #:		Remarks:	
Thermometer ID #413		Rush		All Results are emailed. Please provide Email address:			
Correction Factor -0.5°C		Bacteria (only)		Jason / Justin / Robbie			
		Cool Intact					
		Yes					
		No					
		Observed Temp. °C					
		Corrected Temp. °C					



ANALYSIS REQUEST

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



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

March 23, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FOURTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 03/17/22 15:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/17/2022	Sampling Date:	03/17/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 8 @ 6' (H221068-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2022	ND	1.79	89.6	2.00	14.1	
Toluene*	<0.050	0.050	03/21/2022	ND	1.87	93.5	2.00	10.5	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	1.84	91.8	2.00	9.94	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	5.95	99.2	6.00	10.3	
Total BTX	<0.300	0.300	03/21/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	206	103	200	3.12	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	219	109	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/17/2022	Sampling Date:	03/17/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 9 @ 6' (H221068-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	1.79	89.6	2.00	14.1		
Toluene*	<0.050	0.050	03/21/2022	ND	1.87	93.5	2.00	10.5		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	1.84	91.8	2.00	9.94		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	5.95	99.2	6.00	10.3		
Total BTEx	<0.300	0.300	03/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	206	103	200	3.12	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	219	109	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/17/2022	Sampling Date:	03/17/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 10 @ 6' (H221068-03)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2022	ND	1.85	92.5	2.00	9.92		
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	95.1	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.91	95.6	2.00	10.6		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.93	98.8	6.00	10.5		
Total BTX	<0.300	0.300	03/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	206	103	200	3.12	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	219	109	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/17/2022	Sampling Date:	03/17/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 11 @ 6' (H221068-04)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2022	ND	1.85	92.5	2.00	9.92		
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	95.1	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.91	95.6	2.00	10.6		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.93	98.8	6.00	10.5		
Total BTEx	<0.300	0.300	03/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	206	103	200	3.12	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	219	109	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/17/2022	Sampling Date:	03/17/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 12 @ 6' (H221068-05)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2022	ND	1.85	92.5	2.00	9.92		
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	95.1	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.91	95.6	2.00	10.6		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.93	98.8	6.00	10.5		
Total BTEx	<0.300	0.300	03/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	206	103	200	3.12	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	219	109	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/17/2022	Sampling Date:	03/17/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 19 @ 6' (H221068-06)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2022	ND	1.85	92.5	2.00	9.92		
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	95.1	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.91	95.6	2.00	10.6		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.93	98.8	6.00	10.5		
Total BTEx	<0.300	0.300	03/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	206	103	200	3.12	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	219	109	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/17/2022	Sampling Date:	03/17/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EW 10 @ 4- 6' (H221068-07)

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	03/22/2022	ND	1.85	92.5	2.00	9.92		
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	95.1	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.91	95.6	2.00	10.6		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.93	98.8	6.00	10.5		
Total BTEX	<0.300	0.300	03/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	206	103	200	3.12	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	219	109	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 99.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/17/2022	Sampling Date:	03/17/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	FOURTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EW 11 @ 4- 6' (H221068-08)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2022	ND	1.85	92.5	2.00	9.92		
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	95.1	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.91	95.6	2.00	10.6		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.93	98.8	6.00	10.5		
Total BTEx	<0.300	0.300	03/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2022	ND	206	103	200	3.12	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	219	109	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 91.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Diamond Back

P.O. #:

Project Manager: Justin Roberts

Company: McBee

Address: State: NM Zip: 88240

Attn: Robbie

City: Hobbs

Fax #:

Phone #: 505-367

City:

Project #:

Project Owner:

State:

Project Name: Forsy mine New wave

Zip:

Project Location:

Phone #:

Sampler Name:

Fax #:

PRESERV.

SAMPLING

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

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Relinquished By:

Date: 3-17-22

Time: 1505

Received By:

Date: 3-17-22

Time: 11:02

Received By:

Date: 3-17-22

Time: 11:04

Received By:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Received By:

Date:

Time:

Received By:

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Thermometer ID #113

Correction Factor -0.5°C

Standard

Bacteria (only)

Sample Condition

Observed Temp. °C

UPS - Bus - Other:

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



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

June 23, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 06/20/22 16:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 24 @ 8' (H222628-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTX	<0.300	0.300	06/21/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/21/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 25 @ 8' (H222628-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 26 @ 8' (H222628-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTEx	<0.300	0.300	06/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 27 @ 8' (H222628-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTEx	<0.300	0.300	06/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 28 @ 8' (H222628-05)

BTX 8021B			mg/kg							
			Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTX	<0.300	0.300	06/21/2022	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 89.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 29 @ 8' (H222628-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTEx	<0.300	0.300	06/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 30 @ 8' (H222628-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTEx	<0.300	0.300	06/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 36 @ 8' (H222628-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.97	98.6	2.00	3.10		
Toluene*	<0.050	0.050	06/21/2022	ND	2.14	107	2.00	3.49		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.05	103	2.00	3.13		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.09	101	6.00	2.34		
Total BTEx	<0.300	0.300	06/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/21/2022	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	06/21/2022	ND	201	101	200	4.55	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	195	97.5	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 75.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

June 24, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 06/21/22 16:01.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EB 31 @ 8' (H222642-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	2.16	108	2.00	1.18	
Toluene*	<0.050	0.050	06/23/2022	ND	2.25	112	2.00	6.30	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.17	109	2.00	6.62	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.47	108	6.00	6.74	
Total BTX	<0.300	0.300	06/23/2022	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	208	104	200	2.89	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	208	104	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EB 35 @ 8' (H222642-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	2.16	108	2.00	1.18	
Toluene*	<0.050	0.050	06/23/2022	ND	2.25	112	2.00	6.30	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.17	109	2.00	6.62	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.47	108	6.00	6.74	
Total BTEx	<0.300	0.300	06/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	208	104	200	2.89	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	208	104	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EB 37 @ 8' (H222642-03)

BTX 8021B			mg/kg							
			Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.16	108	2.00	1.18		
Toluene*	<0.050	0.050	06/23/2022	ND	2.25	112	2.00	6.30		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.17	109	2.00	6.62		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.47	108	6.00	6.74		
Total BTX	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	194	97.0	200	3.32		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	202	101	200	3.82		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 69.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EB 38 @ 8' (H222642-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.22	111	2.00	2.91		
Toluene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	3.09		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.07	103	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.39	107	6.00	1.66		
Total BTEx	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	194	97.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	202	101	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.0 % 59.5-142

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

June 24, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 06/21/22 16:01.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 8 @ 0-8' (H222643-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	2.22	111	2.00	2.91	
Toluene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	3.09	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.07	103	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.39	107	6.00	1.66	
Total BTX	<0.300	0.300	06/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	194	97.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	202	101	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 9 @ 0-8' (H222643-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.22	111	2.00	2.91		
Toluene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	3.09		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.07	103	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.39	107	6.00	1.66		
Total BTEx	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	194	97.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	202	101	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 12 @ 0-8' (H222643-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.22	111	2.00	2.91		
Toluene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	3.09		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.07	103	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.39	107	6.00	1.66		
Total BTEx	<0.300	0.300	06/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	194	97.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	202	101	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 13 @ 0-8' (H222643-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	2.22	111	2.00	2.91	
Toluene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	3.09	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.07	103	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.39	107	6.00	1.66	
Total BTX	<0.300	0.300	06/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	194	97.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	202	101	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 14 @ 0-8' (H222643-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.22	111	2.00	2.91		
Toluene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	3.09		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.07	103	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.39	107	6.00	1.66		
Total BTEX	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	194	97.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	202	101	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 84.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 15 @ 0-8' (H222643-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.22	111	2.00	2.91		
Toluene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	3.09		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.07	103	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.39	107	6.00	1.66		
Total BTEx	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/23/2022	ND	432	108	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	06/22/2022	ND	194	97.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	202	101	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 16 @ 6-8' (H222643-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.22	111	2.00	2.91		
Toluene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	3.09		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.07	103	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.39	107	6.00	1.66		
Total BTEx	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/23/2022	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	06/22/2022	ND	194	97.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	202	101	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 81.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.5 % 59.5-142

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposals

Project Manager: Justin Roberts

Address: 2525 NW County RD

City: Hobbs State: NM ZIP: 88240

Phone #: (575)-392-9996

Project #: MOC-367

Project Name:

Project Location: Forty Niner New Wave

Sampler Name: Jason Owsley

FOR LAB USE ONLY

Lab I.D.

BILL TO

P.O. #:

Company: Mewbourne

Attn: Robbie Runnels

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Sample I.D.

Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	CL	EXT TPH	BTEX										
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE															
EW8 @ 0-8'	C	1			X			6/21/22	10:30am	X	X	X										
EW9 @ 0-8'	C	1			X			6/21/22	10:32am	X	X	X										
EW12 @ 0-8'	C	1			X			6/21/22	10:34am	X	X	X										
EW13 @ 0-8'	C	1			X			6/21/22	10:36am	X	X	X										
EW14 @ 0-8'	C	1			X			6/21/22	10:38am	X	X	X										
EW15 @ 0-8'	C	1			X			6/21/22	10:40am	X	X	X										
EW16 @ 6-8'	C	1			X			6/21/22	10:42am	X	X	X										

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Inquired By:	Date: 6/21/22	Received By: J. Owsley	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1601			All Results are emailed. Please provide Email address: Jason.Owsley,DB@gmail.com / yesss_diamond@yahoo.com / Justin / Robbie	
Date:			REMARKS:	
Time:				

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

FORM-006 R 3.2 10/07/21

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



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

June 23, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 06/22/22 16:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EB 43 @ 9' (H222674-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	2.24	112	2.00	3.59	
Toluene*	<0.050	0.050	06/23/2022	ND	2.21	111	2.00	3.99	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.09	105	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.50	108	6.00	3.33	
Total BTX	<0.300	0.300	06/23/2022	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/23/2022	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	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EB 44 @ 8' (H222674-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/23/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.50	108	6.00	3.33		
Total BTEx	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	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	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EB 45 @ 3' (H222674-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/23/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.50	108	6.00	3.33		
Total BTEX	<0.300	0.300	06/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EB 46 @ 4' (H222674-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	2.24	112	2.00	3.59	
Toluene*	<0.050	0.050	06/23/2022	ND	2.21	111	2.00	3.99	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.09	105	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.50	108	6.00	3.33	
Total BTEx	<0.300	0.300	06/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 98.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WB 5 @ 8' (H222674-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/23/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.50	108	6.00	3.33		
Total BTEx	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/23/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	203	102	200	0.662	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	193	96.4	200	0.829	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WB 6 @ 8' (H222674-06)

BTX 8021B			mg/kg							
			Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/23/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.50	108	6.00	3.33		
Total BTX	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2022	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	203	102	200	0.662		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	193	96.4	200	0.829		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WB 9 @ 8' (H222674-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/23/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.50	108	6.00	3.33		
Total BTX	<0.300	0.300	06/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/23/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	203	102	200	0.662	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	193	96.4	200	0.829	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

June 23, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 06/22/22 16:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 17 @ 0-8' (H222675-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	2.12	106	2.00	2.94	
Toluene*	<0.050	0.050	06/23/2022	ND	2.06	103	2.00	3.13	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.02	101	2.00	1.73	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.24	104	6.00	1.87	
Total BTEX	<0.300	0.300	06/23/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/23/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	203	102	200	0.662	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	193	96.4	200	0.829	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 18 @ 3-10' (H222675-02)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.12	106	2.00	2.94		
Toluene*	<0.050	0.050	06/23/2022	ND	2.06	103	2.00	3.13		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.02	101	2.00	1.73		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.24	104	6.00	1.87		
Total BTEX	<0.300	0.300	06/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/23/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	203	102	200	0.662	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	193	96.4	200	0.829	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EW 19 @ 0-3' (H222675-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.12	106	2.00	2.94		
Toluene*	<0.050	0.050	06/23/2022	ND	2.06	103	2.00	3.13		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.02	101	2.00	1.73		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.24	104	6.00	1.87		
Total BTEx	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	172	86.1	200	7.41	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	190	95.1	200	0.919	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WW 5 @ 6-8' (H222675-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.12	106	2.00	2.94		
Toluene*	<0.050	0.050	06/23/2022	ND	2.06	103	2.00	3.13		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.02	101	2.00	1.73		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.24	104	6.00	1.87		
Total BTEx	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	06/23/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	172	86.1	200	7.41	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	190	95.1	200	0.919	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 70.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 66.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

June 24, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 06/23/22 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WB 8 @ 10' (H222700-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.15	107	2.00	1.03	QM-07, QR-03
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	0.335	QR-03
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	1.99	99.5	2.00	1.76	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.20	103	6.00	1.78	
Total BTX	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/24/2022	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	06/23/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WB 15 @ 10' (H222700-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2022	ND	2.15	107	2.00	1.03		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	0.335		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	1.99	99.5	2.00	1.76		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.20	103	6.00	1.78		
Total BTEx	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/24/2022	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	06/23/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 130 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 47 @ 10' (H222700-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.15	107	2.00	1.03	
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	0.335	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	1.99	99.5	2.00	1.76	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.20	103	6.00	1.78	
Total BTX	<0.300	0.300	06/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/24/2022	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	06/23/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 41 @ 10' (H222700-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2022	ND	2.15	107	2.00	1.03		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	0.335		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	1.99	99.5	2.00	1.76		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.20	103	6.00	1.78		
Total BTX	<0.300	0.300	06/24/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	06/24/2022	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	06/23/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 125 % 66.9-136

Surrogate: 1-Chlorooctadecane 138 % 59.5-142

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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 42 @ 10' (H222700-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2022	ND	2.15	107	2.00	1.03		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	0.335		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	1.99	99.5	2.00	1.76		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.20	103	6.00	1.78		
Total BTEx	<0.300	0.300	06/24/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 128 % 59.5-142

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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 40 @ 10' (H222700-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2022	ND	2.15	107	2.00	1.03		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	0.335		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	1.99	99.5	2.00	1.76		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.20	103	6.00	1.78		
Total BTX	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WB 11 @ 10' (H222700-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2022	ND	2.15	107	2.00	1.03		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	0.335		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	1.99	99.5	2.00	1.76		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.20	103	6.00	1.78		
Total BTEx	<0.300	0.300	06/24/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WB 16 @ 10' (H222700-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.15	107	2.00	1.03	
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	0.335	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	1.99	99.5	2.00	1.76	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.20	103	6.00	1.78	
Total BTX	<0.300	0.300	06/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 39 @ 10' (H222700-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262		
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708		
Total BTEx	<0.300	0.300	06/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 130 % 66.9-136

Surrogate: 1-Chlorooctadecane 142 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 48 @ 10' (H222700-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262		
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708		
Total BTEx	<0.300	0.300	06/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 130 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WB 17 @ 3' (H222700-11)

BTX 8021B			mg/kg							
			Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262		
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708		
Total BTX	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7		
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9		
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND						

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 132 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 49 @ 3' (H222700-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262		
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708		
Total BTEx	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals		P.O. #:			
Project Manager: Justin Roberts		Company: Mewbourne			
Address: 2525 NW County RD		Attn: Robbie Runnels			
City: Hobbs	State: NM	ZIP: 88240			
Phone #: (575)-392-9996	Address:				
Project #: MOC-367	City:	State:	Zip:		
Project Name:	Phone #:				
Project Location: Forty Niner New Wave	Fax #:				
Sample Name: Jason Owsley					
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.				
H323700					
1	WB8 @ 10'	(G)RAB OR (C)OMP.	# CONTAINERS		
2	WB15 @ 10'	GROUNDWATER	WASTEWATER	SOIL	
3	EB47 @ 10'	OIL	SLUDGE	OTHER :	
4	EB41 @ 10'	ACID/BASE:	ICE / COOL	OTHER :	
5	EB42 @ 10'	DATE	TIME	CL	EXT
6	EB40 @ 10'	6/23/22	9:30am	X	X
7	WB11 @ 10'	6/23/22	9:32am	X	X
8	WB16 @ 10'	6/23/22	9:34am	X	X
9	EB39 @ 10'	6/23/22	9:40am	X	X
		6/23/22	9:42am	X	X
		6/23/22	11:24am	X	X
		6/23/22	11:26am	X	X
		6/23/22	11:28am	X	X
		6/23/22	1:20pm	X	X
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No All Results are emailed. Please provide Email address: Jason.Owsley.DB@gmail.com / yesel_diamond@yahoo.com / Justin / Robbie REMARKS:					
Delivered By: (Circle One) Sample - UPS - Bus - Other: Observed Temp. °C 2.7 Corrected Temp. °C 2.8 Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Checked By: (Initials) <i>AO</i> Thermometer ID #113 Correction Factor -0.5°C Standard <input type="checkbox"/> Bacteria (only) Sample Condition Rush <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C					

Page 16 of 16

ANALYSIS REQUEST

Sample I.D.

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



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

June 24, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 06/23/22 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WW 1 @ 0-6' (H222701-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262		
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708		
Total BTEX	<0.300	0.300	06/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WW 6 @ 3-8' (H222701-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262		
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708		
Total BTEx	<0.300	0.300	06/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 128 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WW 7 @ 8-10' (H222701-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262		
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708		
Total BTEx	<0.300	0.300	06/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WW 8 @ 3-10' (H222701-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262	
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708	
Total BTEX	<0.300	0.300	06/23/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/24/2022	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	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WW 9 @ 3-10' (H222701-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262	
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708	
Total BTX	<0.300	0.300	06/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/24/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: WW 10 @ 0-3' (H222701-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2022	ND	2.20	110	2.00	0.262		
Toluene*	<0.050	0.050	06/23/2022	ND	2.17	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	2.05	103	2.00	0.0975		
Total Xylenes*	<0.150	0.150	06/23/2022	ND	6.34	106	6.00	0.708		
Total BTEX	<0.300	0.300	06/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/24/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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: Mewbourne

City: Hobbs

State: NM ZIP: 88240

Attn: Robbie Runnels

Phone #: (575)-392-9996

Address:

Project #: MOC-367

City:

Project Name:

State: Zip:

Project Location: Forty Niner New Wave

Phone #:

Sampler Name: Jason Owsley

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H222701

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :
ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CL

EXT
TPH

BTEX

1 WW1 @ 0-6'

C

1

X

X

X

X

X

X

X

X

6/23/22

8:00am

X

X

X

2 WW6 @ 3-8'

C

1

X

X

X

X

X

X

X

X

6/23/22

8:02am

X

X

X

3 WW7 @ 8-10'

C

1

X

X

X

X

X

X

X

X

6/23/22

11:50am

X

X

X

4 WW8 @ 3-10'

C

1

X

X

X

X

X

X

X

X

6/23/22

1:24pm

X

X

X

5 WW9 @ 3-10'

C

1

X

X

X

X

X

X

X

X

6/23/22

1:26pm

X

X

X

6 WW10 @ 0-3'

C

1

X

X

X

X

X

X

X

X

6/23/22

1:34pm

X

X

X

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Inquired By:

Date: 6-23-22

Received By:

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

Inquired By:

Date: 6-23-22

Received By:

All Results are emailed. Please provide Email address: Jason.Owsley.DB@gmail.com / jessl.diamond@yahoo.com / Justin / Robbie

Inquired By:

Date: 6-23-22

Received By:

REMARKS:

Delivered By: (Circle One)

Date: 6-23-22

Received By:

REMARKS:

Delivered By: (Circle One)

Date: 6-23-22

Received By:

REMARKS:

Delivered By: (Circle One)

Date: 6-23-22

Received By:

REMARKS:

Delivered By: (Circle One)

Date: 6-23-22

Received By:

REMARKS:

Delivered By: (Circle One)

Date: 6-23-22

Received By:

REMARKS:

FORM-006 R 3.2 10/07/21

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



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

June 27, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 06/24/22 12:42.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/24/2022	Sampling Date:	06/24/2022
Reported:	06/27/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 32 @ 10' (H222717-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.17	108	2.00	1.15	
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16	
Total BTX	<0.300	0.300	06/24/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	06/27/2022	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	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 110 % 43-149

Surrogate: 1-Chlorooctadecane 132 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/24/2022	Sampling Date:	06/24/2022
Reported:	06/27/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 33 @ 10' (H222717-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.17	108	2.00	1.15	
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16	
Total BTEX	<0.300	0.300	06/24/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/27/2022	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	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 131 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/24/2022	Sampling Date:	06/24/2022
Reported:	06/27/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	** (See Notes)
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 34 @ 10' (H222717-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.17	108	2.00	1.15	
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16	
Total BTEx	<0.300	0.300	06/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/27/2022	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	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 43-149

Surrogate: 1-Chlorooctadecane 115 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

June 27, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORTY NINER NEW WAVE

Enclosed are the results of analyses for samples received by the laboratory on 06/24/22 16:17.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/24/2022	Sampling Date:	06/24/2022
Reported:	06/27/2022	Sampling Type:	Soil
Project Name:	FORTY NINER NEW WAVE	Sampling Condition:	Cool & Intact
Project Number:	MOC - 367	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: EB 41 @ 10' 6" (H222726-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/25/2022	ND	1.98	98.8	2.00	5.33		
Toluene*	<0.050	0.050	06/25/2022	ND	1.93	96.6	2.00	5.20		
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.81	90.5	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.61	93.5	6.00	5.28		
Total BTEX	<0.300	0.300	06/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/27/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 112 % 43-149

Surrogate: 1-Chlorooctadecane 130 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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: Mewbourne

City: Hobbs State: NM ZIP: 88240

Attn: Robbie Runnels

Phone #: (575)-392-9896

Address:

Project #: MOC-367

City:

Project Name:

State:

Project Location: Forty Niner New Wave

Phone #:

Sample Name: Jason Owsley

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

11222344
EB41 @ 10'6"

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CL

EXT

TPH

BTEX

CL

TPH

BTEX

CL

TPH

BTEX

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Relinquished By:

Date: 6/24/22

Received By:

Date: 6/24/22

Received By:

Date: 6/24/22

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

REMARKS:

Thermometer ID #113

Correction Factor -0.5°C

Standard ☐ Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Relinquished By:

Date: 6/24/22

Received By:

Date: 6/24/22

Received By:

Date: 6/24/22

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

REMARKS:

Thermometer ID #113

Correction Factor -0.5°C

Standard ☐ Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Delivered By: (Circle One)

Observed Temp. °C 4.8°

Corrected Temp. °C 4.3°

Sample Condition

Cool Intact ☒ Yes ☐ No

CHECKED BY: (Initials)

Thermometer ID #113

Correction Factor -0.5°C

Standard ☐ Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Relinquished By:

Date: 6/24/22

Received By:

Date: 6/24/22

Received By:

Date: 6/24/22

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

REMARKS:

Thermometer ID #113

Correction Factor -0.5°C

Standard ☐ Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sample Condition

FORM-006 R 3.2 10/07/21

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

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

Action 215095

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 215095
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2135156642 FORTY NINER RIDGE UNIT #116H FRAC LINE, thank you. This closure is approved.	9/25/2023