

Aureus - Derringer Recycle Pond NAPP2213659921

Final Remediation Report



2525 NW County Rd

Hobbs, NM 88240 (575) 392-9996

Introduction

This report represents the results of remediation activities at the Aureus – Derringer Recycle Pond. On behalf of Mewbourne Oil Company (Mewbourne), Diamondback Disposal Services, Inc. (Diamondback) was tasked with the cleanup and remediation of release NAPP2213659921. The release occurred in Unit Letter G, Section 18, Township 20S, Range 39E at coordinates 32.575240, -104.113515. 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 near a recycle pond on Federal land and the affected area consisted of grass, prairie, and range lands. An equipment failure caused a leak in a produced water line leading to the recycle pond. Approximately 219 barrels of produce water was lost with 80 barrels recovered. All figures were calculated based on normal flow rates.

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 $\frac{1}{2}$ 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 August 23rd, 2022 and October 4rd, 2022 Diamondback excavated approximately 3940 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 7-feet BGS. Between the dates of August 22nd, 2022 and October 4th, 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 November 10th, 2022 backfilling began and ran through November 13th. Approximately 3324 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 BLM 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 Derringer Recycle Pond NAPP2213659921

	Received	hv OCD: 7/1	0/2024 10:2	5:QQ _M A.M _{ATE}			TOLUENE	ETHYL-BENZEN	TOTAL XYLENES	TOTAL BTEX	(mg/kg)	DRO	EXT DRO	трн ра	ge 410firE76
# 1940. February F	SAMPLE	LAS ID NUMBER	SAMPLE DEPHI		SAMPLE IYPE		mg/ kg	(mg/ kg)		(mg/kg)		C 6-C 10 (mg/kg)		(mg/kg)	(mg/kg)
Color															
October Colore Color C															
WASHING PROPERTY WASHING WAS	W-4 WALL	H224115-01	5-7'	09-07-2022	COMP	<0.050	0.166	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
N No.															
Red Public 1997 1															
10 10 11 12 12 13 13 13 13 13															
Part															
W 19 NALL M 19															
Fig.		H224287-03		09-15-2022									<10.0	<10.0	
V-1 PVAL 12(249) A 27 100 201 200 200															
WATER 1928/94/84 C-2	W-16 WALL														
W-19 WALL 142 WALL															
SAPELD LAB DINORS SAPELDENT SAPELD															
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8-8 FLOOR 162281942 7 6-25-2022 COMP 4,090	SAMPLE ID	LAB ID NUMBER	SAMPLE DEPHT	SAMPLE DATE	SAMPLE TYPE	BENZENE					C 6-C 10	C 6-C 10	C 28- C36	C6-c36	
BAFROOM 19228840 \$7 \$22,0002 COMP \$0,000 \$0															
B-F LOOP 192393-94 \$ 822-022															
Betacon 19239996 3 B-22-2022 COMP 40,550 40															
8-FLOOR H2288407 3' 8-22 0022			-												
B # FLOOR 122014-10 S 9-11-2022 COMP 4-050			-												
B9FLOOR #228946 9 942,2022 COMP 40,00 40,50 40															
8-11 ROOR 1928W4949 5 9-01-2022 COMP 4050 4050 4050 4050 4050 4050 4050 405			-												
B12FLOOR 122093404 5			7'												
B13 FLORR															
B15 FLOR H22414-05 7 \$97/2022 COMP \$0.099 \$0.															
B-16 FLOOR H224034-66 5 9-01-2022 COMP c-0.050			·												
B1F FLOOR H22034-07 5 9-01-2022 COMP c0.550															
B-19 FLOOR 1224934-10 5 9-01-2022 COMP 4-0.050															
B20 FLOOR H22434-11 5 9-01-2022 COMP			-												
B-21 ROOR H22403+11 5 9 901-2022 COMP 4050 <0.050															
B-22 FLOOR H22403412 5 9-01-2022 COMP			-												
B-24 FLOOR H224034-14 5' 9-01-2022 COMP			-					<0.050					<10.0	<10.0	
B-25 FLOOR H224114-04 5 9-07-2022 COMP 4,050 4,															
B-27 FLOOR H224286-01 7 09-15-2022 COMP <0.050			-												
B-28 FLOOR H22428-02 7 0915-2022 COMP			·												
B-39 FLOOR H22414-06			7' 7'												
B-30 FLOOR H224286-03 7' 09-15-2022 COMP <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0			7'												
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B-37 FLOOR H224286-09 7' 09-15-2022 COMP <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0															
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B-40 FLOOR H224114-13 2' 9-07-2022 COMP <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.0	B-38 FLOOR	H224114-08	5'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
B-41 FLOOR H224114-15 2' 9-07-2022 COMP <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0															
B-42 FLOOR H224114-10 2' 9-07-2022 COMP <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.															
B-44 FLOOR H224114-12 2' 9-07-2022 COMP <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0															
B-45 FLOOR H224114-13 2' 9-07-2022 COMP <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.0															
B-46 FLOOR H224114-16 2' 9-07-2022 COMP <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 352 PATE 1888 d to Fixed bridge 7/16/2024 1-32-39 PM COMP <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10															
PATE/8/8 of the Tilled Transfer of 1.16/2024 1-32-89 COMP <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <1															
18-48 FLUOR 1 HZZ4124-189 1 1 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2					COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
	B-48 FLOOR	H224194-185		9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160

B-49 FLOOR	H224114-19	0/2024 10.2	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	54.5	<10.0	54.5	400
Regerren 1	<i>y</i> H224136•01// <i>I</i>	0/2024 10:2	J. 00-08-202	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	ge 5 of 176
B-51 FLOOR	H224598-01	7'	10-03-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.3	<10.0	15.3	48.0
B-52 FLOOR	H224598-02	7'	10-03-2022	COMP	< 0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
B-53 FLOOR	H224136-02	2'	9-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
B-54 FLOOR	H224136-03	2'	9-08-2022	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
B-55 FLOOR	H224625-11	2'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
B-56 FLOOR	H224136-04	2'	9-08-2022	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
B-57 FLOOR	H224136-05	2'	9-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
B-58 FLOOR	H224136-06	2'	9-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
B-59 FLOOR	H224136-07	2'	9-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
B-60 FLOOR	H224286-10	2'	09-15-2022	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560
B-61 FLOOR	H224286-11	2'	09-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	592
B-62 FLOOR	H224306-01	2'	09-16-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
B-63 FLOOR	H224306-02	2'	09-16-2022	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
B-64 FLOOR	H224306-03	2'	09-16-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
B-65 FLOOR	H224598-03	3'	10-03-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
B-66 FLOOR	H224306-04	2'	09-16-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
B-67 FLOOR	H224306-06	2'	09-16-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
B-68 FLOOR	H224306-06	2'	09-16-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
B-69 FLOOR	H224598-04	3'	10-03-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
B-70 FLOOR	H224598-05	3'	10-03-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
B-71FLOOR	H224598-08	2'	10-03-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B-72 FLOOR	H224306-05	2'	09-16-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
B-73 FLOOR	H224598-06	1'	10-03-2022	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
B-74 FLOOR	H224598-07	1'	10-03-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
B-75 FLOOR	H224598-07	1'	10-03-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
B-76 FLOOR	H224625-01	2'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
B-77 FLOOR	H224625-02	2'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
B-78 FLOOR	H224625-03	3'	10-04-2022	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
B-79 FLOOR	H224625-04	3'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
B-80 FLOOR	H224625-05	3'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.8	<10.0	18.8	32.0
B-81 FLOOR	H224625-06	2'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
B-82 FLOOR	H224625-07	3'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
B-83 FLOOR	H224625-08	2'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.7	<10.0	14.7	256
B-84 FLOOR	H224625-09	2'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
B-85 FLOOR	H224625-10	2'	10-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
		•	'			•	•					•	•	



Wall Deliniation Map
NAPP 2213659921
Mewbourne Oil Co.
Eddy County, New Mexico
Released to Imaging: 7/16/2024 1:32:54 PM



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



Floor Sample Map
NAPP 2213659921
Mewbourne Oil Co.
Eddy County, New Mexico
Released to Imaging: 7/16/2024 1:32:54 PM



Diamondback Disposal Services, Inc P.O. Box 2491 Hobbs, NM 88241 575-392-9996 District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2213659921
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Contact Name Connor Walker Contact Telephone 806-202-5281 Contact email cwalker@mewbourne.com Incident # (assigned by OCD) Contact mailing address 4801 Business Park Blvd, Hobbs, NM 88240 Location of Release Source Latitude 32.575240 Longitude -104.113515 (NAD 83 in decimal degrees to 5 decimal places) Site Name Aureus - Derringer Recycle Pond Site Type Pipeline Date Release Discovered 5/2/2022 API# (if applicable) nAPP2213659921 Unit Letter Section Township Range County G 18 20S 29E Eddy Surface Owner: State Federal Tribal Private (Name:	Responsible	Party Me	ewbourne Oil Cor	mpany		OGRID 14744				
Location of Release Source Latitude 32.575240	Contact Nam	ne Conno	or Walker			Contact Telephone 806-202-5281				
Latitude 32.575240	Contact email cwalker@mewbourne.com					Incident 7	# (assigned by OCD)			
Latitude 32.575240	Contact mail	ing address	4801 Business	Park Blvd, Hobbs	s, NM 88	3240				
Site Name Aureus – Derringer Recycle Pond Date Release Discovered 5/2/2022 API# (if applicable) nAPP2213659921 Unit Letter Section Township Range County G 18 20S 29E Eddy Surface Owner: State Federal Tribal Private (Name: Nature and Volume of Release Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) Volume Recovered (bbls) Produced Water Volume Released (bbls) 219 Volume Recovered (bbls) 80 Is the concentration of dissolved chloride in the produced water >10,000 mg/1? Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Released (mcf) Volume Recovered (provide units) Cause of Release				Location	n of R	Release S	Source			
Site Name Aureus – Derringer Recycle Pond Date Release Discovered 5/2/2022 API# (if applicable) nAPP2213659921 Unit Letter	Latitude 32.5	75240								
Date Release Discovered 5/2/2022 Date Release Discovered 5/2/2022 API# (if applicable) nAPP2213659921 Unit Letter				(NAD 83 in 6	decimal de	grees to 5 dec	cimal places)			
Unit Letter Section Township Range County G 18 20S 29E Eddy Surface Owner: State Federal Tribal Private (Name:	Site Name Au	ıreus – Deri	ringer Recycle Po	nd		Site Type	Pipeline			
G 18 20S 29E Eddy Surface Owner: State Federal Private (Name:	Date Release	Discovered	5/2/2022			API# (if ap	pplicable) nAPP2213659921			
G 18 20S 29E Eddy Surface Owner: State Federal Private (Name:	Unit Letter	Unit I street Continue Transplier Donne				Cou	untv			
Surface Owner: State Federal Tribal Private (Name:			•		Edd		unity			
☑ Produced Water Volume Released (bbls) 219 Volume Recovered (bbls) 80 Is the concentration of dissolved chloride in the produced water >10,000 mg/l? ☑ Yes ☐ No ☐ Condensate Volume Released (bbls) Volume Recovered (bbls) ☐ Natural Gas Volume Released (Mcf) Volume Recovered (Mcf) ☐ Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units)				all that apply and atta			fic justification for the volumes provided below)			
Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf) Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units) Cause of Release							` ′			
produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf) Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units) Cause of Release	⊠ Produced	Water					` '			
☐ Condensate Volume Released (bbls) Volume Recovered (bbls) ☐ Natural Gas Volume Released (Mcf) Volume Recovered (Mcf) ☐ Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units) Cause of Release Cause of Release					l chlorid	e in the	in the Yes No			
Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units) Cause of Release	Condensa	ite					Volume Recovered (bbls)			
Cause of Release	Natural Gas Volume Released (Mcf)					Volume Recovered (Mcf)				
	Other (describe) Volume/Weight Released (provide units			Volume/Weight Recovered (provide units)						
A discharge line downstream of the charge pump came apart.	Cause of Rele	ease								
	A discharge l	ine downstr	ream of the charge	e pump came apa	rt.					

Received by OCD: 7/10/2024 10:25:06 AM State of New Mexico
Page 2 Oil Conservation Division

Page geof 176

Incident ID	NAPP2213659921
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.
∑ Yes ☐ No	
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? nor Walker to ocd.enviro@state.nm.us on 5/3/2022 @ 3:52PM via email.
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.
∑ The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and managed appropriately.
If all the actions described	I above have <u>not</u> been undertaken, explain why:
	AC the responsible party may commence remediation immediately after discovery of a release. If remediation
within a lined containmer	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have atte and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Conno	or Walker Title: <u>Sr. Engineer</u>
Signature:	Date: _5/9/2022
email: <u>cwalker</u>	@ mewbourne.com Telephone: 806-202-5281
OCD Only Jocelyn Received by:	Harimon 05/17/2022 Date:

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

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 107305

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	107305
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	5/17/2022

Received by OCD: 7/10/2024	10:25:06 AM
Form C-141	State of New Mexico
Page 3	Oil Conservation Division

	Page 11 of 176
Incident ID	
District RP	
Facility ID	
Application ID	

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?	<50 (karst)(ft bgs)					
Did this release impact groundwater or surface water?						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No					
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No					
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No					
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No					
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No					
Are the lateral extents of the release overlying an unstable area such as karst geology?						
Are the lateral extents of the release within a 100-year floodplain?						
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.						
Characterization Report Checklist: Each of the following items must be included in the report.						
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data 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.

Received by OCD: 7/10/2024 10:25:06 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Incident ID
District RP
Facility ID

Application ID

Received by OCD:	7/10/2024 10:25:06 AM
Form C-141	State of New Mexico
Page 6	Oil Conservation Division

	Page 13 of 176
Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items	s must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11 N	MAC
Photographs of the remediated site prior to backfill or photos of the must be notified 2 days prior to liner inspection)	he liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC Dis	strict office must be notified 2 days prior to final sampling)
Description of remediation activities	
Thereby certify that the information given above is true and complete to and regulations all operators are required to report and/or file certain release endanger public health or the environment. The acceptance of a Coshould their operations have failed to adequately investigate and remediation and health or the environment. In addition, OCD acceptance of a Compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the condition accordance with 19.15.29.13 NMAC including notification to the OCD Printed Name: Connor Walker Signature: cwalker@mewbourne.com	ease notifications and perform corrective actions for releases which -141 report by the OCD does not relieve the operator of liability ate contamination that pose a threat to groundwater, surface water, 141 report does not relieve the operator of responsibility for s. The responsible party acknowledges they must substantially ions that existed prior to the release or their final land use in when reclamation and re-vegetation are complete. Title:Sr. Engineer
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party of lighter that poses a threat to groundwater, surface wate party of compliance with any other federal, state, or local laws and/or responsible party.	er, human health, or the environment nor does not relieve the responsible
Closure Approved by:	Date:
Printed Name:	Title:

From: Justin Roberts diamondback2491@yahoo.com

Subject: NAPP2213659921

Date: October 12, 2022 at 7:32 AM
To: ocd.enviro@emnrd.nm.gov

Cc: Jason Owsley jasono@diamondbacknm.com, Connor Walker cwalker@mewbourne.com



Good Morning

Please let this serve as a 48 hour notice to complete confirmation sampling at the Mewbourne Oil Company Derringer Frac pond, located at 32.57524, -104.113515 NAPP2213659921. Sampling will take place at 8:00 am on Friday October 14, 2022. If you need further information 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)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

Q64 Q16 Q4 Sec Tws Rng

X

CP 01201 POD1

18 20S 29E

582983 3605121

Driller License: 1348

Driller Company:

TAYLOR WATER WELL SERVICE

Driller Name: TAYLOR, CLINTON E.

Drill Start Date: 10/24/2013 **Drill Finish Date:**

10/24/2013

Plug Date:

Log File Date:

11/08/2013

PCW Rcv Date:

Depth Well:

Source:

Shallow

Pump Type:

Casing Size:

Pipe Discharge Size:

Estimated Yield: Depth Water:

100 GPM 100 feet

Water Bearing Stratifications:

6.00

Top Bottom Description

140 feet

100

79

130 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top **Bottom**

119

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.

8/23/22 5:56 AM

POINT OF DIVERSION SUMMARY

OSE POD Locations Map



11/15/2022, 7:35:07 AM

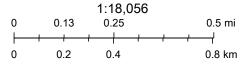
GIS WATERS PODs

Pending

SiteBoundaries

Active

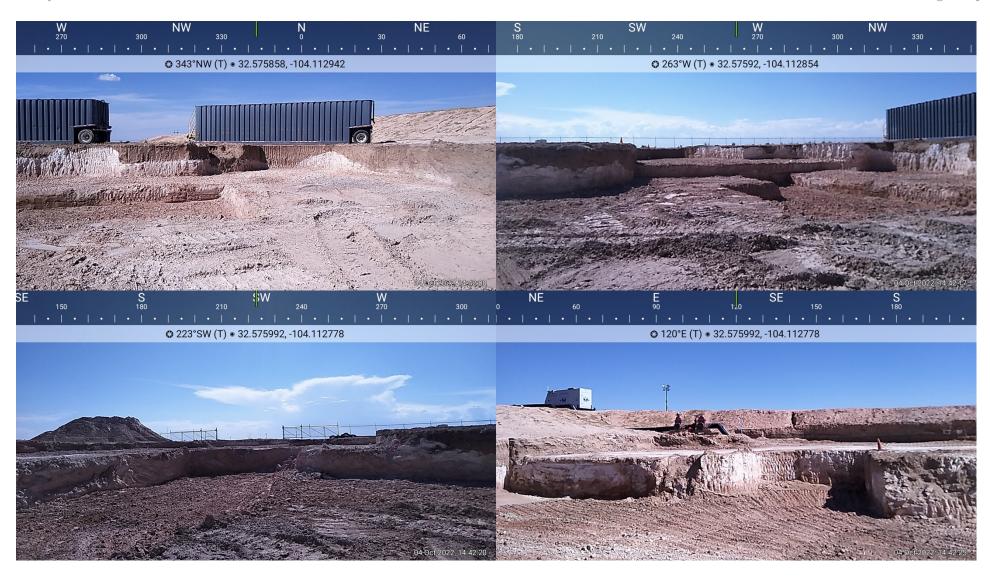
OSE District Boundary



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

> Web Generated Map Map is generated by web users.







August 24, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 08/22/22 16:19.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MEWBOURNE OIL COMPANY Sample Received By: Tamara Oldaker

Project Location: NM

Sample ID: B1 @ 3' (H223839-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.05	103	2.00	1.35	
Toluene*	<0.050	0.050	08/23/2022	ND	2.03	102	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.95	97.7	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.10	102	6.00	2.71	
Total BTEX	<0.300	0.300	08/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 69.9-14	0						
Chloride, SM4500CI-B	hloride, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	198	99.2	200	0.121	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	213	106	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	91.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.6	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MEWBOURNE OIL COMPANY Tamara Oldaker

Project Location: NM

Sample ID: B2 @ 3' (H223839-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.05	103	2.00	1.35	
Toluene*	<0.050	0.050	08/23/2022	ND	2.03	102	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.95	97.7	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.10	102	6.00	2.71	
Total BTEX	<0.300	0.300	08/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
Chloride, SM4500CI-B	14500Cl-B mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	190	95.2	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	175	87.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	80.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.4	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: MEWBOURNE OIL COMPANY Sample Received By:

Project Location: NM

Sample ID: B3 @ 3' (H223839-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.05	103	2.00	1.35	
Toluene*	<0.050	0.050	08/23/2022	ND	2.03	102	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.95	97.7	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.10	102	6.00	2.71	
Total BTEX	<0.300	0.300	08/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	69.9-14	0						
Chloride, SM4500CI-B	e, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	190	95.2	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	175	87.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	85.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	85.8	26 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MEWBOURNE OIL COMPANY Sample Received By: Tamara Oldaker

Applyzed By: 1H /

Project Location: NM

ma/ka

Sample ID: B4 @ 3' (H223839-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.05	103	2.00	1.35	
Toluene*	<0.050	0.050	08/23/2022	ND	2.03	102	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.95	97.7	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.10	102	6.00	2.71	
Total BTEX	<0.300	0.300	08/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 69.9-14	0						
Chloride, SM4500CI-B	nloride, SM4500CI-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	190	95.2	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	175	87.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	81.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	82.5	% 46.3-17	<i>'8</i>						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MEWBOURNE OIL COMPANY Sample Received By: Tamara Oldaker

Project Location: NM

Sample ID: B5 @ 3' (H223839-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.05	103	2.00	1.35	
Toluene*	<0.050	0.050	08/23/2022	ND	2.03	102	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.95	97.7	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.10	102	6.00	2.71	
Total BTEX	<0.300	0.300	08/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
hloride, SM4500Cl-B mg/kg			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	190	95.2	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	175	87.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	79.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	79.3	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MEWBOURNE OIL COMPANY Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: NM

ma/ka

Sample ID: B6 @ 3' (H223839-06)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2022	ND	2.05	103	2.00	1.35	
Toluene*	<0.050	0.050	08/24/2022	ND	2.03	102	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/24/2022	ND	1.95	97.7	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/24/2022	ND	6.10	102	6.00	2.71	
Total BTEX	<0.300	0.300	08/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	nloride, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	190	95.2	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	175	87.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	81.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.6	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MEWBOURNE OIL COMPANY Sample Received By: Tamara Oldaker

Project Location: NM

Sample ID: B7 @ 3' (H223839-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.05	102	2.00	6.61	
Toluene*	<0.050	0.050	08/23/2022	ND	2.00	99.9	2.00	6.38	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.98	98.9	2.00	7.00	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.12	102	6.00	6.67	
Total BTEX	<0.300	0.300	08/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	/kg	Analyze	ed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	190	95.2	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	175	87.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	83.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.8	% 46.3-17	78						

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Celeg D. Frene



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM (575) 393-2326 FAX (575) 3	3-2476												ANALY	SIS R	FQUE	ST			-		
mpany Name: Di	amondBack Disposals								BIL	L TO	-			ANALI	JIJ 10	T				$\neg \neg$		
oject Manager: J	ustin Roberts						1.	.0. #:						-								
dress: 2525 NW							- 1			wbourne					- 1		- 1					
: Hobbs	State: NM ZIP: 8824	0					Attn: Conner Walker															
one #: (575)-392	9996						Α	ddres	s:		2				. 1							
	Newbourne Oil Company (Mewbourne)	386					C	ity:		TAX Y												
oject #:	Mewbourne Oil Company (Mewbourne)						s	tate:		Zip:												
							P	hone	#:													
oject Location: I	Jason Owsley						F	ax #:														
mpler Name:	Jason Owsiey		Т		MAT	RIX		PRE	SERV.	SAMPLIN	IG	1										
ab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	SCOOSE STOOLS	OTHER: ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	CL	EXT TPH	BTEX								
2001	B1 @ 3'	С	1		X				X	8/22/22	11:30am	X	X	X				+	+-		\vdash	
	B2 @ 3'	c	1		X				X	8/22/22	11:50am	X	X	X	-	\vdash		+-	+	_	+	
	B3 @ 3'	С	1		X	\Box	_	_	Х	8/22/22	1:10pm	X	X	X		\vdash		+				
	B4 @ 3'	c	1		X	11	_	_	Х	8/22/22	1:12pm	X	X	X X				1			\Box	
	B5 @ 3'	c	1	1	X	11	_	-	X	8/22/22	1:14pm	X	X	x ·								
	B6 @ 3'	c	1	1.	X	+	-	_	X	8/22/22	1:16pm	X	X	x ·								
7	B7 @ 3'	С	1		X	\bot	_	\perp	X	8/22/22	1:18pm	X	A	A								
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				1	1 1	1 1	- 1		1 1	1	1	1	1					-	_	+	_	

REMARKS: Received By: Date: Retinquished By: CHECKED BY: Sample Condition Observed Temp. °C Corrected Temp. °C Delivered By: (Circle One) (Initials) Cool Intact Sampler - UPS - Bus - Other: Yes Yes Yes Yes Thermometer ID #113 No No Correction Factor -0.5°C No No Corrected Temp. °C



August 24, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER

Enclosed are the results of analyses for samples received by the laboratory on 08/22/22 16:19.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER Sampling Condition: Cool & Intact
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Project Location: NM

Sample ID: W1 @ 0-3' (H223840-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.05	102	2.00	6.61	
Toluene*	<0.050	0.050	08/23/2022	ND	2.00	99.9	2.00	6.38	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.98	98.9	2.00	7.00	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.12	102	6.00	6.67	
Total BTEX	<0.300	0.300	08/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/23/2022	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	08/23/2022	ND	190	95.2	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	175	87.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	79.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	78.5	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC-386 Tamara Oldaker

Project Location: NM

Sample ID: W2 @ 0-3' (H223840-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2022	ND	2.05	102	2.00	6.61	
Toluene*	<0.050	0.050	08/24/2022	ND	2.00	99.9	2.00	6.38	
Ethylbenzene*	<0.050	0.050	08/24/2022	ND	1.98	98.9	2.00	7.00	
Total Xylenes*	<0.150	0.150	08/24/2022	ND	6.12	102	6.00	6.67	
Total BTEX	<0.300	0.300	08/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	190	95.2	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	175	87.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	83.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.5	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 08/22/2022 Sampling Date: 08/22/2022

Reported: 08/24/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC-386 Tamara Oldaker

Project Location: NM

Sample ID: W3 @ 3-5' (H223840-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.05	102	2.00	6.61	
Toluene*	<0.050	0.050	08/23/2022	ND	2.00	99.9	2.00	6.38	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.98	98.9	2.00	7.00	
Total Xylenes*	<0.150 0.150		08/23/2022	ND	6.12	102	6.00	6.67	
Total BTEX	<0.300	0.300	08/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	190	95.2	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/23/2022	ND	175	87.3	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	08/23/2022	ND					
Surrogate: 1-Chlorooctane	76.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	76.3	% 46.3-17	8						

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Celey D. Keene



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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Celey D. Keine



FORM-006 R 3.2 10/07/21

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		nd, Hobbs, NM 8									<u>)</u>	CHAIN-O	F-CU	STO	DY AN	D A	NALY	/SIS	REG	QUES	ST_			Page 6 of 6
Company Name: I	(575) 393-232 DiamondBack Disposals	26 FAX (575) 393-	24/6				_	T	3	RI	LL TO				ANIAL	VCIC	DEOL	IFOT						
Project Manager:	Justin Roberts							P	0.#:	Di	LL 10		_		ANAL	1 313	KEQU	JES I	_					\dashv
Address: 2525 NV				-				Company: Mewbourne							~			S 1						
City: Hobbs	State: N	M ZIP: 88240								_	Walker		-					- 3						
						_	ddress		Walker		-													
						+	ity:				-		1 1											
mo-300					-	ate:		Zip:		-														
Project Location:				-				_	none #	ŧ.	гр.		-											
	Jason Owsley								ax #:				-											
FOR LAB USE ONLY			Т	Т	_	MAT	RIX	1.	PRES	FRV	SAMPLI	NG	-											
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	SROUNDWATER	WASTEWATER SOIL						-										-		
HZZ 3840			(G)RAB	# CON	GROUN	WASTE	OIL	OTHER	ACID/BASE:	OTHER:	DATE	TIME	CL	EXT TPH	BTEX						20			
(W1 @ 0-3'		c	1		X		Ĭ	2	(8/22/22	12:30pm	х	X	х									Н
	W2 @ 0-3'		c	1		X			2	(8/22/22	12:32pm	X	x	X									П
3	W3 @ 3-5'		c	1		X			2	(8/22/22	3:00pm	X	X	X									
			_	_	_	Щ.	1	\perp		1														
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	7		+	\vdash	\vdash	\vdash	+	+	\vdash	+	+		-	_	\vdash		+		-					
e applicable service. In no e	nages. Cardinal's liability and client's exclusive ren event shall Cardinal be liable for incidental of out of or related to the performance of sen	r consequental damages, inclu	ding with	nout limi	itation, b	usiness inte	erruptions, l	oss of	use, or los	s of pro	fits incurred by client, it	ding those for negligeness subsidiaries,	ce and any ot	ther cause who	atsoever shall be	deemed w	vaived unless	s made in wr	riting and r	eceived by	Cardinal with	n 30 days	after comple	tion of
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Relinquished By:		Date:	Red	eive	d By	:				7)	REMARKS:			,									
Pelivered By: (Circle ampler - UPS - Bu	e One) s - Other:	bserved Temp. °C Orrected Temp. °C			C	ample Cool Int	Yes	1			CKED BY: nitials)	Turnaround Time: Rush Thermometer ID	Standar Cool Intac	1	Bacteria (only) S	Sample Con		∏Yes ∏	Yes		-			



September 07, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 09/01/22 15:52.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

AUREUS - DERRINGER FRAC POND Project Name: Sampling Condition: Cool & Intact Project Number: MOC-386 Sample Received By: Tamara Oldaker

Project Location: NM

Sample ID: B8 @ 5' (H224034-01)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.07	103	2.00	10.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.05	102	2.00	9.39	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	2.00	100	2.00	11.3	
Total Xylenes*	<0.150 0.150		09/03/2022	ND	6.23	104	6.00	9.83	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/06/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	83.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.7	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC-386 Tamara Oldaker

Project Location: NM

Sample ID: B9 @ 5' (H224034-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.07	103	2.00	10.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.05	102	2.00	9.39	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	2.00	100	2.00	11.3	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.23	104	6.00	9.83	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/06/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	105 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	125 9	6 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Project Location: NM

Sample ID: B11 @ 5' (H224034-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.07	103	2.00	10.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.05	102	2.00	9.39	
Ethylbenzene*	< 0.050	0.050	09/03/2022	ND	2.00	100	2.00	11.3	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.23	104	6.00	9.83	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/06/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	80.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.0	% 46.3-17	78						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC-386 Tamara Oldaker

Project Location: NM

Sample ID: B12 @ 5' (H224034-04)

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	09/03/2022	ND	2.07	103	2.00	10.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.05	102	2.00	9.39	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	2.00	100	2.00	11.3	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.23	104	6.00	9.83	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/06/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	75.8 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.9	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC-386 Tamara Oldaker

Project Location: NM

Sample ID: B13 @ 5' (H224034-05)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.07	103	2.00	10.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.05	102	2.00	9.39	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	2.00	100	2.00	11.3	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.23	104	6.00	9.83	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/06/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	83.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC-386 Tamara Oldaker

Project Location: NM

Sample ID: B16 @ 5' (H224034-06)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.07	103	2.00	10.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.05	102	2.00	9.39	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	2.00	100	2.00	11.3	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.23	104	6.00	9.83	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/06/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	80.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.7	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: NM

ma/ka

Sample ID: B17 @ 5' (H224034-07)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.07	103	2.00	10.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.05	102	2.00	9.39	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	2.00	100	2.00	11.3	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.23	104	6.00	9.83	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/06/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	78.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.4	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: NM

mg/kg

Sample ID: B18 @ 5' (H224034-08)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.05	103	2.00	11.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.03	101	2.00	11.9	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	1.97	98.5	2.00	11.8	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.14	102	6.00	11.6	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/06/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	79.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.5	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Project Location: NM

Sample ID: B19 @ 5' (H224034-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.05	103	2.00	11.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.03	101	2.00	11.9	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	1.97	98.5	2.00	11.8	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.14	102	6.00	11.6	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/06/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	78.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.1	% 46.3-17	78						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NM

mg/kg

Sample ID: B20 @ 5' (H224034-10)

BTEX 8021B

DILX GOZID	iiig/	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	2.05	103	2.00	11.8	
Toluene*	<0.050	0.050	09/06/2022	ND	2.03	101	2.00	11.9	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.97	98.5	2.00	11.8	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	6.14	102	6.00	11.6	
Total BTEX	<0.300	0.300	09/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/06/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	84.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.8	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: NM

ma/ka

Sample ID: B21 @ 5' (H224034-11)

RTFY 8021R

B1EX 8021B	mg/	9	Allulyzo	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	2.05	103	2.00	11.8	
Toluene*	<0.050	0.050	09/06/2022	ND	2.03	101	2.00	11.9	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.97	98.5	2.00	11.8	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	6.14	102	6.00	11.6	
Total BTEX	<0.300	0.300	09/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/06/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	88.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	105	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC-386 Tamara Oldaker

Project Location: NM

Sample ID: B22 @ 5' (H224034-12)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	2.05	103	2.00	11.8	
Toluene*	<0.050	0.050	09/06/2022	ND	2.03	101	2.00	11.9	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.97	98.5	2.00	11.8	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	6.14	102	6.00	11.6	
Total BTEX	<0.300	0.300	09/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/06/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	96.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 9	6 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: NM

ma/ka

Sample ID: B23 @ 5' (H224034-13)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.05	103	2.00	11.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.03	101	2.00	11.9	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	1.97	98.5	2.00	11.8	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.14	102	6.00	11.6	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/06/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	79.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.2	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/01/2022 Sampling Date: 09/01/2022

Reported: 09/07/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: NM

ma/ka

Sample ID: B24 @ 5' (H224034-14)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.05	103	2.00	11.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.03	101	2.00	11.9	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	1.97	98.5	2.00	11.8	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.14	102	6.00	11.6	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/06/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	110	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	130	% 46.3-17	78						

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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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Celeg D. Freene

18



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	aborato	ries									9	CHAIN-O	F-CU	STOE	Y AN	D AN	ALY	SIS I	REQ	UES	T			ge 17 of
	101 East Marland (575) 393-2326																						•	Page
Company Name: I	DiamondBack Disposals							T		BI	LL TO				ANAL	/SIS F	REQUI	EST						
Project Manager:	Justin Roberts							P	.0. #.	:														
Address: 2525 NV	V County RD							С	omp	any: Me	ewbourne		1											
City: Hobbs	State: NM	ZIP: 88240						A	ttn: C	onner	Walker	٠.	1									· .		
Phone #: (575)-39	2-9996							A	ddre	ss:			1										_	
Project #:	MOC-386				7			С	ity:		-		1										. 1	
Project Name:	Aureus Derringer Frac Pon	d						S	tate:		Zip:		1											
Project Location:	NM							P	hone	#:			1											
Sampler Name:	Jason Owsley .							F	ax #:				1									•		
FOR LAB USE ONLY Lab I.D.				Г		MA	TRIX		PRE	SERV.	SAMPL	ING	1											
. 4	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	JDGE	ACID/BASE:	ICE / COOL OTHER :		/		EXT	-									
Haa4034			_	#	GR	N S	등	SLI OT	A C	<u>5</u> <u>6</u>	DATE	TIME	CL	TPH	BTEX		\vdash							Ш
	B8 @ 5'		С	1		X	++	+	+	X	9/1/22	11:00am	X	X	Х		\vdash							\mathbf{H}
	B9 @ 5'		С	1		X	++	+	+	X	9/1/22	11:02am	X	X	X		\vdash					\vdash		H
	B11 @ 5' B12 @ 5'		c	1		X	++	+	+	X	9/1/22	11:04am 11:06am	X	X ·	X		\vdash					\vdash		H
	B13 @ 5'		c	1		X	++	+	+	X	9/1/22	11:08am	v v	X	X		\vdash					\vdash		\vdash
	B16 @ 5'		c	1		X	++	+	+	X	9/1/22	11:10am	X	X	x	-	\vdash							\vdash
	B17 @ 5'		С	1		X	+	+	+	x	9/1/22	11:12am	X	X	x	-								П
X	B18 @ 5'		С	1		X	T			Х	9/1/22	11:14am	X	X	x									
9	B19 @ 5'		С	1		X	П			X	9/1/22	11:16am	X	X	x									
	B20 @ 5'		С	1		X		-		X	9/1/22	11:18am	X	X	x									
the applicable service. In no e	nages. Cardinal's liability and client's exclusive remedy event shall Cardinal be liable for incidental or cor- out of or related to the performance of services	nsequental damages, includi	ing with	out limi	tation, b	usiness in	terruption	s, loss of	f use, or	loss of prof	its incurred by client,	uding those for negligen its subsidiaries,	nce and any of	ther cause who	tsoever shall be	deemed wa	aived unless	made in wr	iting and re	eceived by	Cardinal with	nin 30 days	after complet	tion of
elinquished By:		Date: 9-1-22 Time: 552			d By	wa	ra	d	M	las	Ker	Verbal Result All Results a yessi_diamo	re emaile	d. Please	provide E			Phone #: son.Ow	sley.DE	8@gmai	l.com /			
Relinquished By:		Date:	Red	eive	d By	:					/	REMARKS:												

Time: pelivered By: (Circle One) Observed Temp. °C CHECKED BY: Sample Condition Bacteria (only) Sample Condition Corrected Temp. °C 1.3 ampler - UPS - Bus - Other: Cool Intact (Initials) Tes Tes Thermometer ID #113 Yes Yes No No Correction Factor -0.5°C No No Corrected Temp. °C FORM-006 R 3.2 10/07/21



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Page 18 of 18	

Name of P	NamondBack Dienosals								P	111	L TO				ANAL'	SIS R	EQU	EST						Т
Company Name: L	DiamondBack Disposals						\perp				. 10				AITAL	7						Т		\dashv
Project Manager:	Justin Roberts						- 1	P.O. #.							*.									- 1
Address: 2525 NW							0	compa	any:	Mev	vbourne	1												
City: Hobbs	State: NM ZIP: 88240						1	Attn: C	onn	er W	Valker												- 1	
Phone #: (575)-392							1	Addre	ss:				1									-		
								City:																
	MOC-368						_	State:			Zip:											-		
	Aureus Derringer Frac Pond							Phone					1											
Project Location:	NM												١.								- 1			~
Sampler Name:	Jason Owsley						F	Fax #:																
FOR LAB USE ONLY					MAT	RIX	_	PRE	SER	V.	SAMPLIN	G T	-											
Lab I.D.		₫.				Ш																		
	Commis I D	(G)RAB OR (C)OMP.	RS	GROUNDWATER	监	П			П															
	Sample I.D.	OR (I N	N N	MAT			SE	일															
		AB	L L	N	TEV	П	9	ER //BA	8	ER				EXT										
H224034		G)R	# CONTAINERS	3RO	WASTEWATER	OIL	SLU SLU	OTHER: ACID/BASE:	ICE / COOL	DTH.	DATE	TIME	CL	TPH	BTEX									
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- 11	B22 @ 5'	c	1		x	Ħ			X		9/1/22	1:17pm	X	X	x									_
13	B23 @ 5'	c	1	\vdash	X	\forall	\neg	\top	x		9/1/22	1:19pm	X	X	X									-
	B24 @ 5'	c	1	\vdash	x	\forall		\top	x	_	9/1/22	1:21pm	X	x	X									
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9			t for a state existent whether based in	in contract or to	ort shall be limited to	the amount paid by t	he client for the	analyses. All claims includi	ng those for negligence:	and any oth	ner cause whatsoever shall be deemed walved	inless made in writing and received by Cardinal within 30 days after completion of
9	PLEASE NOTE: Liability and Dam	ages. Cardinal's liability and client's exclusive vent shall Cardinal be liable for incidenta	remedy for any claim arising whether based in	III COI III doct or to	ation business into	emuntions loss of	use or loss of	f profits incurred by client, its	subsidiaries,			
	the applicable service. In no ex	ent shall Cardinal be liable for incidenta	al or consequental damages, including	without limit	ation, business inte	errupuoris, ioss or	to a barre state	of second or otherwise				
	Williams as automorphism origina	vent shall Cardinal be liable for incidenta out of or related to the performance of s	services hereunder by Cardinal, regardle	less of wheth	er such claim is ba	ased upon any of t	he above state	ed reasons or otherwise.				
CA	amiliates or successors arising	out of of related to the performance of a										
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-5	4						1		Thermometer ID	#113		Yes Yes
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FORM-006 R 3.2 10/07/21

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



September 13, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 09/07/22 16:25.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

AUREUS - DERRINGER FRAC POND Project Name: Sampling Condition: Cool & Intact Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B10 @ 7' (H224114-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	201	100	200	8.09	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	222	111	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	87.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: MOC - 386 Sample Received By:

Project Location: MEWBOURNE - NM

Sample ID: B14 @ 7' (H224114-02)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/12/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/12/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/12/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	201	100	200	8.09	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	222	111	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	89.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	6 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - NM

mg/kg

Sample ID: B15 @ 7' (H224114-03)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					
Surrogate: 1-Chlorooctane	79.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.0	% 46.3-17	8						

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Celeg D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - NM

mg/kg

Sample ID: B25 @ 5' (H224114-04)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					
Surrogate: 1-Chlorooctane	81.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	87.2	% 46.3-17	8						

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Celey D. Kreine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B26 @ 7' (H224114-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	35.4	10.0	09/09/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					
Surrogate: 1-Chlorooctane	77.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.2	% 46.3-17	<i>'</i> 8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B29 @ 7' (H224114-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					
Surrogate: 1-Chlorooctane	69.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	74.1	% 46.3-17	8						

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Celey & Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

Sample ID: B33 @ 7' (H224114-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					
Surrogate: 1-Chlorooctane	87.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.8	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B38 @ 5' (H224114-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	78.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	85.7	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B39 @ 5' (H224114-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	74.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.3	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: MOC - 386

Project Location: MEWBOURNE - NM

Sample ID: B42 @ 2' (H224114-10)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	28.3	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	69.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	78.7	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B43 @ 2' (H224114-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	78.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.8	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: MOC - 386

Project Location: MEWBOURNE - NM

Sample ID: B44 @ 2' (H224114-12)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	73.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.9	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: MOC - 386

Project Location: MEWBOURNE - NM

Sample ID: B45 @ 2' (H224114-13)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.08	104	2.00	0.264	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	101	2.00	0.166	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.99	99.4	2.00	0.316	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.12	102	6.00	0.0895	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/12/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	83.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.1	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Project Number: Sample Received By: MOC - 386 Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

Sample ID: B40 @ 2' (H224114-14)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.09	104	2.00	1.93	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	102	2.00	1.85	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	2.00	100	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.17	103	6.00	2.31	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/12/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	47.2	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	70.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.0	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

Sample ID: B41 @ 2' (H224114-15)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150 <0.300	0.050 0.050 0.050 0.050 0.150 0.300	Analyzed 09/10/2022 09/10/2022 09/10/2022 09/10/2022 09/10/2022	Method Blank ND ND ND ND ND ND ND	BS 2.09 2.03 2.00 6.17	% Recovery 104 102 100 103	True Value QC 2.00 2.00 2.00	RPD 1.93 1.85 2.29	Qualifier
<0.050 <0.050 <0.150 <0.300	0.050 0.050 0.150	09/10/2022 09/10/2022 09/10/2022	ND ND ND	2.03 2.00	102 100	2.00 2.00	1.85	
<0.050 <0.150 <0.300	0.050 0.150	09/10/2022	ND ND	2.00	100	2.00		
<0.150 <0.300	0.150	09/10/2022	ND				2.29	
<0.300				6.17	103			
	0.300	09/10/2022	ND		-05	6.00	2.31	
99.8			ND					
	% 69.9-14	0						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
384	16.0	09/12/2022	ND	400	100	400	7.69	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
68.7	10.0	09/10/2022	ND	225	112	200	8.38	
<10.0	10.0	09/10/2022	ND					
68.6	% 45.3-16	1						
81.0	% 46 3-17	8						
	Result 384 mg/ Result <10.0 68.7 <10.0	mg/kg Result Reporting Limit 384 16.0 mg/kg Result Reporting Limit <10.0 10.0 68.7 10.0 <10.0 10.0 68.6 % 45.3-16	mg/kg Analyzed Result Reporting Limit Analyzed 384 16.0 09/12/2022 mg/kg Analyzed Result Reporting Limit Analyzed <10.0	mg/kg Analyzed Method Blank Result Reporting Limit Analyzed Method Blank 384 16.0 09/12/2022 ND Mesult Reporting Limit Analyzed Method Blank <10.0	mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS 384 16.0 09/12/2022 ND 400 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery 384 16.0 09/12/2022 ND 400 100 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	mg / kg Analyzed By: AC Result Reporting Limit Analyzed O9/12/2022 Method Blank D BS W Recovery A00 True Value QC 384 16.0 09/12/2022 ND 400 100 400 mg / kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0 10.0 09/10/2022 ND 222 111 200	mg / kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 384 16.0 09/12/2022 ND 400 100 400 7.69 mg / kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

Sample ID: B46 @ 2' (H224114-16)

RTFY 8021R

ethod Blank ND ND	BS 2.09	% Recovery	True Value QC	RPD	Qualifier
	2.09	104			
ND		101	2.00	1.93	
	2.03	102	2.00	1.85	
ND	2.00	100	2.00	2.29	
ND	6.17	103	6.00	2.31	
ND					
: AC					
ethod Blank	BS	% Recovery	True Value QC	RPD	Qualifier
ND	400	100	400	7.69	
: MS					
ethod Blank	BS	% Recovery	True Value QC	RPD	Qualifier
ND	222	111	200	0.0771	
ND	225	112	200	8.38	
ND					
	ethod Blank ND ND	ethod Blank BS ND 222 ND 225	** MS ethod Blank	*** MS ***ethod Blank	MS MS Recovery True Value QC RPD ND 222 111 200 0.0771 ND 225 112 200 8.38

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

Sample ID: B47 @ 2' (H224114-17)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2022	ND	2.09	104	2.00	1.93	
Toluene*	<0.050	0.050	09/12/2022	ND	2.03	102	2.00	1.85	
Ethylbenzene*	<0.050	0.050	09/12/2022	ND	2.00	100	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/12/2022	ND	6.17	103	6.00	2.31	
Total BTEX	<0.300	0.300	09/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/12/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	77.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.9	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: MOC - 386

Project Location: MEWBOURNE - NM

Sample ID: B48 @ 2' (H224114-18)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.09	104	2.00	1.93	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	102	2.00	1.85	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	2.00	100	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.17	103	6.00	2.31	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/12/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	79.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	85.6	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: MOC - 386

Project Location: MEWBOURNE - NM

Sample ID: B49 @ 2' (H224114-19)

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	09/10/2022	ND	2.09	104	2.00	1.93	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	102	2.00	1.85	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	2.00	100	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.17	103	6.00	2.31	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	09/12/2022	ND	400	100	400	7.69	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	54.5	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	78.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.2	% 46.3-17	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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CHAIN-OF-CU

JSTODY AND	ANALYSIS	REQUEST	

	101 East Marland, Hobbs, NM 8 (575) 393-2326 FAX (575) 393-														_							•
Company Name: [DiamondBack Disposals								BIL	L TO				ANAL	SIS F	REQU	JEST					
Project Manager:	Justin Roberts						P.C	D. #:									QUEST					
Address: 2525 NV	V County RD						Co	mpan	ıy: Me	ewbourne												
City: Hobbs	State: NM ZIP: 88240						Att	n: Co	nner	Walker		1										
Phone #: (575)-39	2-9996						Ad	dress	s:			1										
Project #:	MOC-386						Cit	y:				1										
Project Name:	Aureus - Derringer Frac Pond						Sta	ate:		Zip:		1										
Project Location:	NM						Ph	one #	ŧ:			1										
Sampler Name:	Jason Owsley						Fa	x #:		*		1										1 1
FOR LAB USE ONLY Lab I.D.	4	T			MAT	RIX		PRES	ERV.	SAMPLIN	IG	1										
H224114	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WAS IEWA IEK SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	CL	EXT TPH	BTEX								
	B10 @ 7'	С	1		X	Ц		2	X	9/7/22	11:30am	X	X	X				_			\sqcup	
	B14 @ 7'	c	1	\perp	X	Н	\perp	-	X	9/7/22	11:32am	X	X	Х				-				-
	B15 @ 7'	С	1	\vdash	X	Н	\perp	_	X	9/7/22	11:34am	X	X	X			_	-			\vdash	-
	B25 @ 5'	c	1	\vdash	X	Н	\perp	\rightarrow	X	9/7/22	11:36am	X	X	X			_	-			\vdash	-
	B26 @ 7'	С	1	+	X	₩	+	-	X	9/7/22	12:20pm	X	X	X	0.	-	-	+			\vdash	$\overline{}$
	B29 @ 7'	С	1	\vdash	X	Н	-	-	X	9/7/22	12:22pm	X	X	X		-	-				\vdash	\vdash
-	B33 @ 7'	С	1	+	X	H	+	-	X	9/7/22	12:48pm	X	X	X				+			\vdash	
	B38 @ 5'	С	1	+	X	H	+	_	X		1:00pm	X	X	X	-			+			\vdash	
9	B39 @ 5'	С	1	+	X	H		2	X	9/7/22	1:02pm	X	X	X				+				
PLEASE NOTE: Liability and Dar	magcs. Cardinal's liability and client's exclusive remedy for any claim arising whether event shall Cardinal be liable for incidental or consequental damages, inci	based in o	contract o	r tort, shall b	e limited to	the amou	nt paid by th	ne client for use, or los	r the anal	lyses. All claims including incurred by client, it	ing those for negligers subsidiaries,	nce and any of	ther cause wh	atsoever shall b	e deemed wa	aived unle	ss made in v	writing and r	received by	Cardinal with	nin 30 days	after completio

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.

	- I- ·	.=/	1 - 1	Verbal Result: ☐ Yes ☐ No Ad	Id'l Phone #:
Relinquished By:	Date: 7-7-22 Receive	d By:	11/1/1/	TOTAL TOTAL	
		10	III IV on	All Results are emailed. Please provide Email addres	s: Jasono@diamondbackiiii.com/
C /////	Time; / 2/-	9/8///18/0 10	VIVO SE EN	yessi_diamond@yahoo.com / Justin / Connor	
	160	unuvia (Xe	en agen	DE111 D1/2	
Relinquished By:	Date: Receive	d By:		REMARKS:	
	Time:				
	10. 10. 26	0	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition	
Delivered By: (Circle One)	Observed Temp. °C 3.3	Sample Condition		Turnaround Time: Standard Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	(Initials)	Rush Cool Intact Observed Temp. °C	
	dil	Yes Yes	10		
			70	Thermometer ID #113	Yes Yes
1		No No	/ -	Correction Factor -0.5°C	
				/-	No No Corrected Temp. °C
	I .	1		4	the second secon

FORM-006 R 3.2 10/07/21

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM (575) 393-2326 FAX (575) 39						1100000										,							٥
Company Name: I	DiamondBack Disposals						\top		В	ILL	то				ANAL	YSIS F	REQU	EST						7
Project Manager:	Justin Roberts						F	2.0.#	1:			**	T	Т					- T					\neg
Address: 2525 NV	V County RD							Comp	any: N	Mewb	ourne		1											
City: Hobbs	State: NM ZIP: 88240						-	Attn: (Conne	er Wal	lker		1											
Phone #: (575)-39	2-9996						1	Addre	ss:	_			1											
Project #:	MOC-386						7	City:					1			_								
	Aureus - Derringer Frac Pond						1	State:		Zip	p:		1			3			'					
Project Location:	NM						F	hone	e #:				1											
Sampler Name:	Jason Owsley						F	ax #:	:				1						'					
FOR LAB USE ONLY			Т		MAT	RIX		PRE	ESERV		SAMPLI	NG	1 1	-										
Lab I.D.		۵.							П				1							-				
H224114	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	ACID/BASE:	ICE / COOL		DATE	TIME	CL	EXT TPH	втех									
10	B42 @ 2'	С	1		X				X		7/22	2:40om	X	x	X									
11	B43 @ 2'	c	1		X				x	9/	7/22	2:42pm	X	x	X									Ш
12	B44 @ 2'	c	1		X				X	9/	7/22	2:44pm	X	x	X									
13	B45 @ 2'	c	1		X				x	9/	7/22	2:46pm	x	x	X									
14	B40 @ 2'	c	1		X				X	9/	7/22	3:00pm	x	x	X									
15	B41 @ 2'	c	1		X				X	9/	7/22	3:02pm	x	X	X							*		
16	B46 @ 2'	c	1		X	П		T	x	9/	7/22	3:14pm	x	x	X									
17	B47 @ 2'	С	1		X	П			X	9/	7/22	3:16pm	X	X	X							1		
18	B48 @ 2'	c	1		X	П			x	9/	7/22	3:18pm	X	x	X									
19	B49 @ 2'	c	1		X	П			X	9/	7/22	3:20pm	X	x	x									
the applicable service. In no e	mages. Cardinal's liability and client's exclusive remedy for any claim arising wheth event shall Cardinal be liable for incidental or consequental damages, in out of or related to the performance of services hereunder by Cardinal,	cluding wit regardless	thout lim s of whe	nitation, b	ousiness inte h claim is ba	erruption	s, loss	of use, or of the abo	r loss of pr	rofits incu reasons o	urred by client, if or otherwise.							s made in w		eceived by	Cardinai with	in 30 days a	after complet	on of

Relinquished By:	Date: 7-22 Receive	ed By:/	7111		d'I Phone #:
1111	9-1-00	12.		All Results are emailed. Please provide Email address	s: JasonO@diamondbacknm.com /
	Timey 625	Jaluara Os	laat W	yessi_diamond@yahoo.com / Justin / Connor	
Relinquished By:	Date: Receive	ed By:		REMARKS:	
	T:				
	Time:				'- 'A
Delivered By: (Circle One)	Observed Temp. °C 3.2	Sample Condition	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	(Initials)	Rush Cool Intact Observed Temp. °C	
3	dil	Yes Yes	-0	Cool illast Observed reliip. C	
<u> </u>		□ No □ No	-	Thermometer ID #113	Yes Yes
3		L L	7 .	Correction Factor -0.5°C	
99				6	No No Corrected Temp. °C
<u></u>					



September 14, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 09/07/22 16:25.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/14/2022 Sampling Type: Soil

AUREUS - DERRINGER FRAC POND Project Name: Sampling Condition: Cool & Intact Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: W 4 @ 5-7' (H224115-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.09	104	2.00	1.93	
Toluene*	0.166	0.050	09/10/2022	ND	2.03	102	2.00	1.85	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	2.00	100	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.17	103	6.00	2.31	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/12/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	84.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/14/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: MOC - 386

Project Location: MEWBOURNE - NM

Sample ID: W 5 @ 0-5' (H224115-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.09	104	2.00	1.93	
Toluene*	0.071	0.050	09/10/2022	ND	2.03	102	2.00	1.85	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	2.00	100	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.17	103	6.00	2.31	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/12/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	74.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.0	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/14/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: MOC - 386

Project Location: MEWBOURNE - NM

Sample ID: W 6 @ 0-5' (H224115-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.09	104	2.00	1.93	
Toluene*	<0.050	0.050	09/10/2022	ND	2.03	102	2.00	1.85	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	2.00	100	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.17	103	6.00	2.31	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/12/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	225	112	200	8.38	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	81.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.4	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/07/2022 Sampling Date: 09/07/2022

Reported: 09/14/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: W 7 @ 0-5' (H224115-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	ND	2.09	104	2.00	1.93	
Toluene*	0.157	0.050	09/10/2022	ND	2.03	102	2.00	1.85	
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	2.00	100	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.17	103	6.00	2.31	
Total BTEX	<0.300	0.300	09/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/12/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	203	102	200	5.32	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	199	99.3	200	0.216	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					
Surrogate: 1-Chlorooctane	95.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.5	% 46.3-17	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

Chloride by 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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Celeg D. Freene

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobb (575) 393-2326 FAX (5	os, NM 882									i		HAIN-U										-	*	Page 7
Company Name: D	DiamondBack Disposals	,					141			BI	ILI	L TO				ANAL	SIS F	REQU	EST						
Project Manager:	Justin Roberts					_		P.C). #:												-				
Address: 2525 NW								Co	mpar	ıy: N	/lew	vbourne		1											
City: Hobbs	State: NM ZIP	: 88240						Att	n: Co	nne	r W	Valker		1					. *						
Phone #: (575)-392	2-9996							Add	dress	3:				1											
	MOC-386							Cit	y:					1											
6	Aureus Derringer Frac Pond							Sta	te:		-	Zip:		1											
Project Location:								Ph	one #	# :				1	1										
	Jason Owsley							Fax	κ#:					1											
FOR LAB USE ONLY	,		Т	Т	M	ATR	X	_	PRES	ERV	.]	SAMPLI	NG	_											
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	GROLINDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL		DATE	TIME	CL	EXT TPH	BTEX									
1	W4 @ 5-7'		c . 1				\perp	Ш		X	$\overline{}$	9/7/22	1:50pm	X	Χ .	X		-		+-	-		\vdash		H
2	W5 @ 0-5'		c 1	\perp		X.	\perp	Ш		X	_	9/7/22	1:52pm	X	X	X		-		+-	-	_	\vdash		H
3	W6 @ 0-5'		c 1	\perp		X.	+	\perp	-	X	\rightarrow	9/7/22	1:54pm	X	X	X		-	-	+-	+-		\vdash		H
ч	W7 @ 0-5'		c 1	\perp		X.	+	\perp		X	4	9/7/22	1:56pm	X	X	X		-	-	+	+-	_	\vdash		H
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	mages. Cardinal's liability and client's exclusive remedy for any clair event shall Cardinal be liable for incidental or consequenta g out of or related to the performance of services hereunde												ding those for negligits subsidiaries,	ence and any o	other cause wh	atsoever shall t	e deemed v	vaived unle	ess made in	writing and	received b	Cardinal wi	hin 30 days	after comple	tion of
Relinquished By:	Date: Time: Date:	625 X	Recei	16	ua	KG .	d		la	K	5	of a	Verbal Results yessi_diam	are emaile ond@yah	ed. Please	provide E			Phone # JasonO(ndback	nm.com			

FORM-006 R 3.2 10/07/21

Delivered By: (Circle One) Sampler - UPS - Bus - Other: Time:

Observed Temp. °C Corrected Temp. °C Sample Condition

Cool Intact

No No

CHECKED BY:

(Initials)

Thermometer ID #113

Correction Factor -0.5°C

Yes Yes

☐ No ☐ No Corrected Temp. °C



September 14, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 09/08/22 15:35.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HORRS NM 88241

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/08/2022 Sampling Date: 09/08/2022

Reported: 09/14/2022 Sampling Type: Soil Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Coo

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Shalyn Rodriguez

A ... - b ... - d D. .. 711

Project Location: MEWBOURNE - NM

Sample ID: W8 @ 0-2' (H224135-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2022	ND	2.06	103	2.00	13.0	
Toluene*	0.155	0.050	09/13/2022	ND	2.01	101	2.00	13.0	
Ethylbenzene*	<0.050	0.050	09/13/2022	ND	1.97	98.5	2.00	13.2	
Total Xylenes*	<0.150	0.150	09/13/2022	ND	6.08	101	6.00	13.0	
Total BTEX	<0.300	0.300	09/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	09/13/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	09/12/2022	ND					
Surrogate: 1-Chlorooctane	86.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.6	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/08/2022 Sampling Date: 09/08/2022

Reported: 09/14/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - NM

mg/kg

Sample ID: W9 @ 0-5' (H224135-02)

BTEX 8021B

DILX GOZID	ıııg,	- Kg	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2022	ND	2.06	103	2.00	13.0	
Toluene*	0.393	0.050	09/13/2022	ND	2.01	101	2.00	13.0	
Ethylbenzene*	<0.050	0.050	09/13/2022	ND	1.97	98.5	2.00	13.2	
Total Xylenes*	<0.150	0.150	09/13/2022	ND	6.08	101	6.00	13.0	
Total BTEX	0.393	0.300	09/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/13/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	09/12/2022	ND					
Surrogate: 1-Chlorooctane	93.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.0	% 46.3-17	8						

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Celeg D. Freene



Notes and Definitions

OR-04 The RPD for the BS/BSD was outside of historic	al limits.
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BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

A-01 CCV DRO recovery biased high. All samples ND, data not affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

L	aboratories									<u>C</u>	HAIN-OF	-cu	STOD	Y ANI	D AN	ALY	'SIS	REQ	UES	T		le 5 of 5
	101 East Marland, Hobbs, NM (575) 393-2326 FAX (575) 39										•		,									Page
Company Name:	DiamondBack Disposals								BIL	L TO				ANAL	YSIS F	REQU	EST					
Project Manager:	Justin Roberts						P.O.	. #:														
Address: 2525 NV	W County RD						Con	npan	y: Me	wbourne												
City: Hobbs State: NM ZIP: 88240						Attn	ı: Co	nner V	Walker										:-			
Phone #: (575)-392-9996						Address:							2									
Project #: MOC-386						City:												0				
Project Name: Aureus - Derringer Frac Pond						Stat	te:		Zip:													
Project Location: NM					Pho	ne #	:															
Sampler Name:	Jason Owsley						Fax	01300														
FOR LAB USE ONLY Lab I.D.					MATI	RIX	F	PRES	ERV.	SAMPLIN	G							-				
Haa4135	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	CL	EXT TPH	BTEX								
1	W8 @ 0-2'	c	1		X		1 2	X	_	9/8/22	11:30am	X	X	Х				-				\dashv
2	W9 @ 0-5'	С	1		X	\vdash	2	X.	+	9/8/22	11:45	X	X	X				-	-			\dashv
		+	+	-	\vdash	\vdash	+	\dashv	+				-			-	-	-				\dashv
		+	+	-	\vdash	\vdash	++	+	+				-					-				\dashv
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	Illiates of successors arising out of o	i related to the perioritance of se	arious marounder by comme	1 0		
Q						

Relinquished By:	Date: Receive	d Bv:		Verbal Result: ☐ Yes ☐ No Add'l Phone #:					
Melliquished by.	Date 8-20 Receive			All Results are emailed. Please provide Email address: JasonO@diamondbacknm.com /					
46/	Time: 535 5	odkion	un	yesiniel@diamondbacknm.com / Justin / Connor					
Relinquished By:	Date: Receive	d By:		REMARKS:					
	Time:								
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition					
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4. 7	Cool Intact	(Initials)	Rush Cool Intact Observed Temp. °C					
by. 6	4.12	Yes Yes	82	Thermometer ID #113 Correction Factor -0.5°C -					
pan				No No Corrected Temp. *C					



September 13, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 09/08/22 15:35.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/08/2022 Sampling Date: 09/08/2022

Reported: 09/13/2022 Sampling Type: Soil

AUREUS - DERRINGER FRAC POND Project Name: Sampling Condition: Cool & Intact Project Number: MOC - 386 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - NM

Sample ID: B 50 @ 2' (H224136-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2022	ND	2.06	103	2.00	13.0	
Toluene*	<0.050	0.050	09/13/2022	ND	2.01	101	2.00	13.0	
Ethylbenzene*	<0.050	0.050	09/13/2022	ND	1.97	98.5	2.00	13.2	
Total Xylenes*	<0.150	0.150	09/13/2022	ND	6.08	101	6.00	13.0	
Total BTEX	<0.300	0.300	09/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/13/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	09/12/2022	ND					
Surrogate: 1-Chlorooctane	81.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.8	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/08/2022 Sampling Date: 09/08/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - NM

Sample ID: B 53 @ 2' (H224136-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2022	ND	2.06	103	2.00	13.0	
Toluene*	<0.050	0.050	09/13/2022	ND	2.01	101	2.00	13.0	
Ethylbenzene*	< 0.050	0.050	09/13/2022	ND	1.97	98.5	2.00	13.2	
Total Xylenes*	<0.150	0.150	09/13/2022	ND	6.08	101	6.00	13.0	
Total BTEX	<0.300	0.300	09/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	10						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	09/12/2022	ND					
Surrogate: 1-Chlorooctane	95.9	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	78						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/08/2022 Sampling Date: 09/08/2022

Reported: Sampling Type: Soil 09/13/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Project Number: MOC - 386 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - NM

Sample ID: B 54 @ 2' (H224136-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2022	ND	2.06	103	2.00	13.0	
Toluene*	<0.050	0.050	09/13/2022	ND	2.01	101	2.00	13.0	
Ethylbenzene*	<0.050	0.050	09/13/2022	ND	1.97	98.5	2.00	13.2	
Total Xylenes*	<0.150	0.150	09/13/2022	ND	6.08	101	6.00	13.0	
Total BTEX	<0.300	0.300	09/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/13/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	09/12/2022	ND					
Surrogate: 1-Chlorooctane	96.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/08/2022 Sampling Date: 09/08/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

Sample ID: B 56 @ 2' (H224136-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2022	ND	2.06	103	2.00	13.0	
Toluene*	<0.050	0.050	09/13/2022	ND	2.01	101	2.00	13.0	
Ethylbenzene*	<0.050	0.050	09/13/2022	ND	1.97	98.5	2.00	13.2	
Total Xylenes*	<0.150	0.150	09/13/2022	ND	6.08	101	6.00	13.0	
Total BTEX	<0.300	0.300	09/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/13/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	09/12/2022	ND					
Surrogate: 1-Chlorooctane	93.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.5	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/08/2022 Sampling Date: 09/08/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - NM

mg/kg

Sample ID: B 57 @ 2' (H224136-05)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2022	ND	2.06	103	2.00	13.0	
Toluene*	<0.050	0.050	09/13/2022	ND	2.01	101	2.00	13.0	
Ethylbenzene*	<0.050	0.050	09/13/2022	ND	1.97	98.5	2.00	13.2	
Total Xylenes*	<0.150	0.150	09/13/2022	ND	6.08	101	6.00	13.0	
Total BTEX	<0.300	0.300	09/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/13/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	09/12/2022	ND					
Surrogate: 1-Chlorooctane	91.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.5	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/08/2022 Sampling Date: 09/08/2022

Reported: 09/13/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - NM

Sample ID: B 58 @ 2' (H224136-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2022	ND	2.06	103	2.00	13.0	
Toluene*	<0.050	0.050	09/13/2022	ND	2.01	101	2.00	13.0	
Ethylbenzene*	<0.050	0.050	09/13/2022	ND	1.97	98.5	2.00	13.2	
Total Xylenes*	<0.150	0.150	09/13/2022	ND	6.08	101	6.00	13.0	
Total BTEX	<0.300	0.300	09/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/13/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	09/12/2022	ND					
Surrogate: 1-Chlorooctane	84.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.4	% 46.3-17	78						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/08/2022 Sampling Date: 09/08/2022

Reported: Sampling Type: Soil 09/13/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Project Number: MOC - 386 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - NM

Sample ID: B 59 @ 2' (H224136-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2022	ND	2.06	103	2.00	13.0	
Toluene*	<0.050	0.050	09/13/2022	ND	2.01	101	2.00	13.0	
Ethylbenzene*	<0.050	0.050	09/13/2022	ND	1.97	98.5	2.00	13.2	
Total Xylenes*	<0.150	0.150	09/13/2022	ND	6.08	101	6.00	13.0	
Total BTEX	<0.300	0.300	09/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/13/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	09/12/2022	ND					
Surrogate: 1-Chlorooctane	85.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.9	% 46.3-17	8						

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Celey D. Keine



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

A-01 CCV DRO recovery biased high. All samples ND, data not affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

N L	aborato	ries										<u>C</u>	HAIN-OI	F-CU	STO	OY AN	D AN	IALY	'SIS	REQ	UES	Τ_			Page 10 of 10
	101 East Marland (575) 393-2326	d, Hobbs, NM 88 FAX (575) 393-2												•								÷ .			Pag
ompany Name: I	DiamondBack Disposals										BIL	L TO				ANAL	YSIS	REQU	JEST						
roject Manager:	Justin Roberts	×							P.O.	#:															
ddress: 2525 NV	V County RD								Con	pany	: Me	wbourne		1											
ity: Hobbs	State: NM	7 ZIP: 88240							Attn	: Con	ner \	Walker		1											
hone #: (575)-39	2-9996								Add	ress:				1											
roject #:	MOC-386								City	:			6	1									8		
roject Name:	Aureus - Derringer Frac Po	ond							Stat	e:		Zip:		1											
roject Location:	NM								Pho	ne #:				1									- 1	- 1	
ampler Name:	Jason Owsley	×-							Fax	#:				1											
OR LAB USE ONLY				Г		M	ATRIX	(P	RESE	RV.	SAMPLIN	NG	1	10										
.ab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER		SLUDGE	OTHER:	CE / COOL	OTHER:	DATE	TIME	CL	EXT TPH	BTEX									
MOTION	B50 @, 2'		c	1	Ĭ	X		100		X		9/8/22	10:40am	X	Х	x									
2	B53 @ 2'		С	1		X				Х		9/8/22	10:42am	X	X	x									
3	B54 @ 2'		С	1		X			П	X		9/8/22	10:44am	X	X	X									
4	B56 @ 2'		c	1		Х			Ш	X		9/8/22	10:46am	X	X	x		_		_			\sqcup		
5	B57 @ 2'		c	1	_	X		\perp	\sqcup	X	_	9/8/22	10:48am	X	X	X	_	-	-	+	_				-
6	B58 @ 2'		С	1	╙	X		1	11	X	_	9/8/22	10:50am	X	X.	Х		-	-	-	_		\vdash		\mathbf{H}
7	B59 @ 2'		С	1	\perp	X		_	\perp	X	_	9/8/22	10:52am	X	X	X		-	-	+	_				\vdash
/			┡	╀	-	Н	+	+	++	+	-		-	-	+	+	-	+	-	+-	-				H
			-	-	╀	H	+	+	++	+	+	-	-	-	-	+	-	+-	-	+	-		\vdash		\vdash
e applicable service. In no	images. Cardinz."s liability and client's exclusive reme- event shall Cardinal be liable for incidental or- g out of or related to the performance of service	consequental damages, include	ding wit	hout lim	nitation,	business	interru	ptions, lo	oss of us	e, or loss	of profit	ts incurred by client, it	is subsidiaries,				be deemed v				received by	Cardinal with	nin 30 days a	after complet	ion of
Relinquished By:		Date: 48-22 Time: 1535		5	ed By	01	16	21(m	1	1	1	Verbal Result All Results a yesenial@dia	re emaile	d. Pleas			dress: J	Phone a		ndbackn	m.com /			
Relinquished By:		Date:	Re	ceive	ed By	/:			1				KEMIAKKS.												- 1

Relinquished By:	Date: Receive	d Bv:			ld'I Phone #:
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4/1/	Time: 1535	Kodleign	The state of the s	yesenial@diamondbacknm.com / Justin / Connor	
Relinquished By:	Date: Receive	d By:	0	REMARKS:	
	Time:			,	
Delivered By: (Circle One)	Observed Temp. °C (1)	Sample Condition	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition	
	Corrected Temp. °C	Cool Intact	(Initials)	Rush Cool Intact Observed Temp. °C	
	4.18		STOP	Thermometer ID #113 Correction Factor =0.5°C - \(\) "	☐Yes☐ Yes
			00-	W2	No No Corrected Temp. °C
EOPM-006 R 3 2 10/07/21			*	9.8-22	

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



September 19, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 09/15/22 16:15.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HORRS NM 88241

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 27 @ 7' (H224286-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	69.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	77.5	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kreine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 28 @ 7' (H224286-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	< 0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	70.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	78.1	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 30 @ 7' (H224286-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	73.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	82.4	% 46.3-17	8						

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Celey D. Kreine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 31 @ 7' (H224286-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	< 0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	62.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	71.2	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 32 @ 7' (H224286-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	< 0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	69.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	78.6	% 46.3-17	8						

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*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 34 @ 7' (H224286-06)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	64.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	72.2	% 46.3-17	78						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 35 @ 7' (H224286-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	63.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	70.2	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 36 @ 7' (H224286-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	59.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	67.2	% 46.3-17	78						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 37 @ 7' (H224286-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	66.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	76.2	% 46.3-17	78						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 60 @ 2' (H224286-10)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.84	92.0	2.00	3.70	
Toluene*	<0.050	0.050	09/18/2022	ND	1.84	91.8	2.00	4.71	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.77	88.4	2.00	2.94	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.50	91.7	6.00	3.11	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	56.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	62.4	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/19/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - NM

mg/kg

Sample ID: B 61 @ 2' (H224286-11)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	2.11	106	2.00	1.10	
Toluene*	<0.050	0.050	09/18/2022	ND	2.09	104	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	2.03	101	2.00	1.60	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	6.24	104	6.00	1.14	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	63.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	71.5	% 46.3-17	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hóbbs, NM	88240					10.00	(4) E M.															
	(575) 393-2326 FAX (575) 393	-2476					10																
Company Name: [DiamondBack Disposals								BI	LL TO				ANALY	SIS F	REQU	EST						
Project Manager:	Justin Roberts							P.O. #:															
ddress: 2525 NW	County RD						C	ompa	ny: M	ewbourne													
ity: Hobbs	State: NM ZIP: 88240					H	Α	ttn: C	onner	Walker					-								
Phone #: (575)-392	2-9996						A	ddres	s:			1											
Project #:	MOC-386						C	ity:				1											
Project Name:	Aureus Derringer Frac Pond						S	tate:		Zip:		1											
Project Location:	NM						F	hone	#:			1											
Sampler Name:	Jason Owsley						F	ax #:		8		1								8			
FOR LAB USE ONLY		T	Т		MAT	RIX		PRE	SERV.	SAMPL	NG			-									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	SCUDGE	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	CL	EXT TPH	втех									
)	B27 @ 7'	c	1	_	Х	Н	_	\perp	Х	9/15/22	8:30am	X	х	X				-	-		_		\vdash
	B28 @ 7'	С	1	_	Х	11	_	_	X	9/15/22	8:32am	X	X	Х				-	-		-	_	\vdash
	B30 @ 7'	С	1	╀-	X	++	+	_	Х	9/15/22	8:34am	X	X	X				-	-		+	_	\vdash
	B31 @ 7'	С	1	╄	X	₩	+	+	X	9/15/22	8:36am	X	X	X				-	-	-	+	-	\vdash
	B32 @ 7'	С	1	+	X	₩	+	+-	X	9/15/22	8:38am	X	X	X	,			+-	+-		1	-	\vdash
	B34 @ 7'	С	1	+	X	++	-+	+	X	9/15/22	8:40am	X	X v	X		-		+	+	-	\vdash		+
	B35 @ 7'	С	1	+	X	H	+	+	X	9/15/22	8:42am 8:44am	X	X	X				-	-	_	+-	_	+
	B36 @ 7'	c	1	+	X	++	+	+	X X	9/15/22	8:46am	v	X	X				+	_		+		+
9	B37 @ 7'	С	1	+	X	++	+	+	^	3/13/22	0.40aiii	Λ.	A	A				+			+-		+
the applicable service. In no	mzgas. Cardinal's liability and client's exclusive remedy for any claim arising wheth event shall Cardinal be liable for incidental or consequental damages, in g out of or related to the performance of services hereunder by Cardinal,	cluding wit	thout lin	nitation,	business in	terruption	is, loss	of use, or	loss of pro	ofits incurred by client,	I ding those for neglige its subsidiaries,	nce and any o	ther cause wh	atsoever shall b	e deemed w	aived unles	s made in w	writing and I	received by	Cardinal wi	thin 30 days	after comp	etion of

Relinquished By:	Date: 77 Receive	d By:	111	Verbal Result: ☐ Yes ☐ No A	dd'l Phone #:
Relinquistied by.	9-15-22	7		All Results are emailed. Please provide Email addre	ss: JasonO@diamondbacknm.com /
	Time:	Maria a Il	Ilda Il.	vesenial@diamondbacknm.com / Justin / Connor	
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Palinguished Du	Date: Receive	ad By:		REMARKS:	
Relinquished By:	Treceive	d Dy.			
	Time:			/	
Delivered By: (Circle One)	Observed Temp. °C Z (Sample Condition	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition	on
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	(Initials)		
Samplet of G and Gallett	28	Yes Yes	- 6	Rush Cool Intact Observed Temp. °C	
	010		A	Thermometer ID #113	No. C. Yes
· · · · · · · · · · · · · · · · · · ·		No No	/ -	Correction Factor -0.5°C	Yes Yes
				Correction Factor -0.5 C	No No Corrected Temp. °C
		1	1		

FORM-006 R 3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Bacteria (only) Sample Condition

Yes Yes

No No Corrected Temp. °C

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	101 East Marland (575) 393-2326	, Hobbś, NM 882 FAX (575) 393-24						1000000																	
Company Name: D	DiamondBack Disposals							T		1	BIL	L TO				ANAL	YSIS I	REQU	EST						
Project Manager:	Justin Roberts							F	P.O. #	:															. '
Address: 2525 NW								7	Comp	any	: Me	wbourne		1											Ιİ
City: Hobbs	State: NM	ZIP: 88240						1	Attn: (Con	ner V	Walker		1											
Phone #: (575)-392	2-9996							1	Addre	ss:				1											
Project #:	MOC-386							7	City:					1											
Project Name:	Aureus Derringer Frac Pon	d						1	State:			Zip:		1											
Project Location:	NM							F	Phone	e #:				1											
Sampler Name:	Jason Owsley							F	Fax #:					1									-		
FOR LAB USE ONLY			Т	Т		MAT	RIX		PRI	ESE	RV.	SAMPLI	NG	1											
H224286	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	2000	OTHER: ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CL	EXT TPH	втех									
10	B60 @ 2'		С	1		X				X		9/15/22	11:30am	X	x	X							_		\perp
11	B61 @ 2'		С	1		x				X		9/15/22	11:32am	X	X	X				\perp					\sqcup
						\perp	\coprod	_	+	+				-	-	-	-	-	-	\vdash		_	+		+-
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																to a war aball b	a daamad un	ived unless	made in wri	iting and rec	neived by C	Cardinal with	in 30 days	fter comple	tion of
	mages. Cardinal's liability and client's exclusive remedy f event shall Cardinal be liable for incidental or con g out of or related to the performance of services												ing those for negligend subsidiaries,	e and any of	ner cause wha	isoever silali b	e deemed wa	ived dilles.	s made in win	ung and rec					
Relinquished By:	71	7-15-10 Fime: 1615	Rece	1	a	ul l	40/		Ude	at.	Se.	R	Verbal Results a yesenial@d	are email	Yes ed. Pleas acknm.com	e provide	Email add	dress:	Phone # JasonO@		dbackn	ım.com	ı		
Relinquished By:		Date:	Rece	eive	d By:								REMARKS:												

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Time:

Observed Temp. °C 3 Corrected Temp. °C

Sample Condition

Cool Intact Yes Tes

No No

CHECKED BY:

(Initials)

Thermometer ID #113

Correction Factor -0.5°C



September 21, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 09/15/22 16:15.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/21/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: W 10 @ 0-7' (H224287-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	2.11	106	2.00	1.10	
Toluene*	0.159	0.050	09/18/2022	ND	2.09	104	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	2.03	101	2.00	1.60	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	6.24	104	6.00	1.14	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	65.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	74.5	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/21/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

Sample ID: W 11 @ 0-7' (H224287-02)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	2.11	106	2.00	1.10	
Toluene*	0.177	0.050	09/18/2022	ND	2.09	104	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	2.03	101	2.00	1.60	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	6.24	104	6.00	1.14	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	71.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.7	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HORRS NM 88241

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: 09/21/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

Sample ID: W 12 @ 2-7' (H224287-03)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	2.11	106	2.00	1.10	
Toluene*	0.074	0.050	09/18/2022	ND	2.09	104	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	2.03	101	2.00	1.60	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	6.24	104	6.00	1.14	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	67.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	76.2	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/15/2022 Sampling Date: 09/15/2022

Reported: Sampling Type: Soil 09/21/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC - 386 Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

Sample ID: W 13 @ 2-7' (H224287-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	2.11	106	2.00	1.10	
Toluene*	0.068	0.050	09/18/2022	ND	2.09	104	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	2.03	101	2.00	1.60	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	6.24	104	6.00	1.14	
Total BTEX	<0.300	0.300	09/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2022	ND	217	109	200	2.50	
DRO >C10-C28*	<10.0	10.0	09/17/2022	ND	222	111	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	09/17/2022	ND					
Surrogate: 1-Chlorooctane	69.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	77.5	% 46.3-17	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Yes Yes

No No Corrected Temp. °C

Laboratories	CHAIN-OF	F-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: Conner Walker	
Phone #: (575)-392-9996	Address:	
Project #: MOC-386	City:	
Project Name: Aureus Derringer Frac Pond	State: Zip:	
Project Location: NM	Phone #:	
Sampler Name: Jason Owsley	Fax #:	
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
CS THILLY WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: ALVO EXT CL TPH BTEX	
W10 @ 0-7' c 1 x	x 9/15/22 9:30am	x x x
Z W11 @ 0-7' c 1 x	x 9/15/22 9:32am	x x x
3 W12 @ 2-7' c 1 x	x 9/15/22 1:00pm	x x x
4 W13 @ 2-7'	x 9/15/22 1:02pm	X X X
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Received By: Date: 9-15-22 Received By: Time: 615		t: □ Yes □ No Add'I Phone #: re emailed. Please provide Email address: JasonO@diamondbacknm.com / amondbacknm.com / Justin / Connor
Relinquished By: Date: Received By: Time:	REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C 3. √ Corrected Temp. °C 3. √ Cool Intact		Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. "C

Thermometer ID #113

Correction Factor -0.5°C

No No



September 21, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 09/16/22 15:40.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/16/2022 Sampling Date: 09/16/2022

Reported: 09/21/2022 Sampling Type: Soil

AUREUS - DERRINGER FRAC POND Project Name: Sampling Condition: Cool & Intact Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 62 @ 2' (H224306-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2022	ND	2.00	100	2.00	3.27	
Toluene*	<0.050	0.050	09/19/2022	ND	1.99	99.4	2.00	3.94	
Ethylbenzene*	<0.050	0.050	09/19/2022	ND	1.92	96.1	2.00	2.71	
Total Xylenes*	<0.150	0.150	09/19/2022	ND	5.96	99.4	6.00	3.14	
Total BTEX	<0.300	0.300	09/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2022	ND	180	89.9	200	3.23	
DRO >C10-C28*	<10.0	10.0	09/19/2022	ND	189	94.3	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	09/19/2022	ND					
Surrogate: 1-Chlorooctane	76.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	78.1	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/16/2022 Sampling Date: 09/16/2022

Reported: 09/21/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 63 @ 2' (H224306-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2022	ND	2.00	100	2.00	3.27	
Toluene*	<0.050	0.050	09/19/2022	ND	1.99	99.4	2.00	3.94	
Ethylbenzene*	<0.050	0.050	09/19/2022	ND	1.92	96.1	2.00	2.71	
Total Xylenes*	<0.150	0.150	09/19/2022	ND	5.96	99.4	6.00	3.14	
Total BTEX	<0.300	0.300	09/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2022	ND	180	89.9	200	3.23	
DRO >C10-C28*	<10.0	10.0	09/19/2022	ND	189	94.3	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	09/19/2022	ND					
Surrogate: 1-Chlorooctane	75.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	76.8	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/16/2022 Sampling Date: 09/16/2022

Reported: 09/21/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: MEWBOURNE - NM

ma/ka

Sample ID: B 64 @ 2' (H224306-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2022	ND	2.00	100	2.00	3.27	
Toluene*	<0.050	0.050	09/19/2022	ND	1.99	99.4	2.00	3.94	
Ethylbenzene*	<0.050	0.050	09/19/2022	ND	1.92	96.1	2.00	2.71	
Total Xylenes*	<0.150	0.150	09/19/2022	ND	5.96	99.4	6.00	3.14	
Total BTEX	<0.300	0.300	09/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2022	ND	180	89.9	200	3.23	
DRO >C10-C28*	<10.0	10.0	09/19/2022	ND	189	94.3	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	09/19/2022	ND					
Surrogate: 1-Chlorooctane	79.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.6	% 46.3-17	78						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/16/2022 Sampling Date: 09/16/2022

Reported: 09/21/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: MEWBOURNE - NM

ma/ka

Sample ID: B 66 @ 2' (H224306-04)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2022	ND	2.00	100	2.00	3.27	
Toluene*	<0.050	0.050	09/19/2022	ND	1.99	99.4	2.00	3.94	
Ethylbenzene*	<0.050	0.050	09/19/2022	ND	1.92	96.1	2.00	2.71	
Total Xylenes*	<0.150	0.150	09/19/2022	ND	5.96	99.4	6.00	3.14	
Total BTEX	<0.300	0.300	09/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2022	ND	180	89.9	200	3.23	
DRO >C10-C28*	<10.0	10.0	09/19/2022	ND	189	94.3	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	09/19/2022	ND					
Surrogate: 1-Chlorooctane	71.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	72.0	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/16/2022 Sampling Date: 09/16/2022

Reported: Sampling Type: Soil 09/21/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 72 @ 2' (H224306-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2022	ND	2.00	100	2.00	3.27	
Toluene*	<0.050	0.050	09/19/2022	ND	1.99	99.4	2.00	3.94	
Ethylbenzene*	<0.050	0.050	09/19/2022	ND	1.92	96.1	2.00	2.71	
Total Xylenes*	<0.150	0.150	09/19/2022	ND	5.96	99.4	6.00	3.14	
Total BTEX	<0.300	0.300	09/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2022	ND	180	89.9	200	3.23	
DRO >C10-C28*	<10.0	10.0	09/19/2022	ND	189	94.3	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	09/19/2022	ND					
Surrogate: 1-Chlorooctane	76.3 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	76.9	% 46.3-17	<i>'</i> 8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/16/2022 Sampling Date: 09/16/2022

Reported: Sampling Type: Soil 09/21/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 67 @ 2' (H224306-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2022	ND	2.00	100	2.00	3.27	
Toluene*	<0.050	0.050	09/19/2022	ND	1.99	99.4	2.00	3.94	
Ethylbenzene*	<0.050	0.050	09/19/2022	ND	1.92	96.1	2.00	2.71	
Total Xylenes*	<0.150	0.150	09/19/2022	ND	5.96	99.4	6.00	3.14	
Total BTEX	<0.300	0.300	09/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2022	ND	180	89.9	200	3.23	
DRO >C10-C28*	<10.0	10.0	09/19/2022	ND	189	94.3	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	09/19/2022	ND					
Surrogate: 1-Chlorooctane	74.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	79.6	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/16/2022 Sampling Date: 09/16/2022

Reported: Sampling Type: Soil 09/21/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 68 @ 2' (H224306-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2022	ND	1.87	93.3	2.00	12.4	
Toluene*	<0.050	0.050	09/20/2022	ND	1.88	94.0	2.00	12.6	
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.83	91.6	2.00	12.8	
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.73	95.5	6.00	12.8	
Total BTEX	<0.300	0.300	09/20/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2022	ND	180	89.9	200	3.23	
DRO >C10-C28*	<10.0	10.0	09/19/2022	ND	189	94.3	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	09/19/2022	ND					
Surrogate: 1-Chlorooctane	71.7 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	76.3 9	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 09/16/2022 Sampling Date: 09/16/2022

Reported: Sampling Type: Soil 09/21/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: MOC - 386 Sample Received By:

Project Location: MEWBOURNE - NM

Sample ID: B 71 @ 2' (H224306-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2022	ND	1.87	93.3	2.00	12.4	
Toluene*	<0.050	0.050	09/20/2022	ND	1.88	94.0	2.00	12.6	
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.83	91.6	2.00	12.8	
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.73	95.5	6.00	12.8	
Total BTEX	<0.300	0.300	09/20/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2022	ND	180	89.9	200	3.23	
DRO >C10-C28*	<10.0	10.0	09/19/2022	ND	189	94.3	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	09/19/2022	ND					
Surrogate: 1-Chlorooctane	78.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.9	% 46.3-17	8						

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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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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FORM-006 R 3.2 10/07/21

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Yes Yes

No No Corrected Temp. °C

101 East Marland, Hobbs, NM 8 (575) 393-2326 FAX (575) 393	8824(-247(0				100 000			ı.	大西斯斯尼亚拉斯 斯斯斯提尔里克斯													Page
Company Name: DiamondBack Disposals								E	3/L	L TO				ANAL	YSIS F	REQL	JEST						$\overline{}$
Project Manager: Justin Roberts						P	0.0.#	:				Т	Т										$\overline{}$
Address: 2525 NW County RD			_			d	omp	any:	Me	wbourne		\dashv	1	- x									
City: Hobbs State: NM ZIP: 88240						A	ttn: C	onn	er V	Valker		-											
Phone #: (575)-392-9996						A	ddre	ss:				-											
Project #: Moc-386						c	ity:					+											
Project Name: Aureus Derringer Frac Pond						_	tate:			Zip:		-					<i>y</i> -						
Project Location: NM						_	hone	#:				1											
Sampler Name: Jason Owsley					7	+	ax #:		_			-			e è								
FOR LAB USE ONLY Lab I.D.	Т	Т		MAT	RIX	_	PRE	SER	V.	SAMPLIN	IG	-	1										
Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	OTHER:	ACID/BASE:		OTHER:	DATE	TIME	CL	EXT TPH	BTEX									
B62 @ 2'	С	1	\sqcup	X	1	\perp		X		9/16/22	11:40am	x	X	X									
Z B63 @ 2' 3 B64 @ 2'	С	1	\sqcup	X	Н.	\perp	_	X	\rightarrow	9/16/22	11:42am	X	X	X									
4 B66 @ 2'	С	1	\vdash	X	\vdash	+		X	\rightarrow	9/16/22	11:44am	X	X	X									
S72 @ 2'	С	1	\vdash	X	Н-	+		Х	\rightarrow	9/16/22	11:46am	X	X	X						-			
/ B67 @ 2'	С	1	\vdash	X	\vdash	+		Х	\rightarrow	9/16/22	11:48am	X	X	X									
7 B68 @ 2'	С	1	\vdash	X	\vdash	+	-	Х	\rightarrow	9/16/22	12:50pm	Χ .	X	X									
8 B71 @ 2'	c	1	\vdash	X	\vdash	+	\vdash	Х	\rightarrow	9/16/22	12:52pm	X	Х	X									
811@2	С	1	\vdash	X	\vdash	+		Х	\dashv	9/16/22	12:54pm	X	X	X									
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Relinquished By: Date: 1540 Date: Time: Time:	Rec	eive		(10)	EA	d	<u>lla</u>	la s	K	Sel .	Verbal Result All Results ar yesenial@dia REMARKS:	re emailed	d. Please	provide Er	mail addr	Add'I F ess: Ja	Phone #: asonO@d	liamono	lbackni	m.com /			
Observed Temp. °C Corrected Temp. °C Corrected Temp. °C O	0.7		Cod	nple Co	res	1			ECK (Init	ED BY:	Turnaround Time: Rush Thermometer ID	Standard Cool Intact #113		Bacteria (only) S d Temp. °C	Sample Condit		Yes Y	'es					

Correction Factor -0.5°C

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



October 10, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 10/03/22 16:22.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/10/2022 Sampling Type: Soil

AUREUS - DERRINGER FRAC POND Project Name: Sampling Condition: Cool & Intact Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 51 @ 7' (H224598-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.23	112	2.00	2.88	
Toluene*	<0.050	0.050	10/08/2022	ND	2.14	107	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	1.95	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	193	96.6	200	2.89	
DRO >C10-C28*	15.3	10.0	10/06/2022	ND	182	90.9	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	107	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	132	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

mg/kg

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - NM

Sample ID: B 52 @ 7' (H224598-02)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.23	112	2.00	2.88	
Toluene*	<0.050	0.050	10/08/2022	ND	2.14	107	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	1.95	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	95.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

Sample ID: B 65 @ 3' (H224598-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.23	112	2.00	2.88	
Toluene*	<0.050	0.050	10/08/2022	ND	2.14	107	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	1.95	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	98.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	119	% 46.3-17	8						

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Celey & Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: Sampling Type: Soil 10/10/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: MOC - 386 Sample Received By:

Project Location: MEWBOURNE - NM

Sample ID: B 69 @ 3' (H224598-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.23	112	2.00	2.88	
Toluene*	<0.050	0.050	10/08/2022	ND	2.14	107	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	1.95	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	95.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 70 @ 3' (H224598-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	1.98	99.2	2.00	1.36	
Toluene*	<0.050	0.050	10/08/2022	ND	1.98	99.1	2.00	2.00	
Ethylbenzene*	< 0.050	0.050	10/08/2022	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	<0.150 0.150		10/08/2022	ND	5.86	97.6	6.00	1.95	
Total BTEX	<0.300 0.300		10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 % 69.9-1		0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	96.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	116	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: Sampling Type: Soil 10/10/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Project Number: Sample Received By: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 73 @ 1' (H224598-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	1.98	99.2	2.00	1.36	
Toluene*	<0.050	0.050	10/08/2022	ND	1.98	99.1	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	<0.150 0.150		10/08/2022	ND	5.86	97.6	6.00	1.95	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID 102 %		69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	91.4 % 45.3-16		1						
Surrogate: 1-Chlorooctadecane	110 % 46.3-176		8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 74 @ 1' (H224598-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	1.98	99.2	2.00	1.36	
Toluene*	<0.050	0.050	10/08/2022	ND	1.98	99.1	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	<0.150 0.150		10/08/2022	ND	5.86	97.6	6.00	1.95	
Total BTEX	<0.300 0.300		10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 % 69.9-1		0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	92.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112	% 46.3-17	78						

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10/03/2022

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

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

Received: 10/03/2022 Sampling Date:

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 75 @ 1' (H224598-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	1.98	99.2	2.00	1.36	
Toluene*	<0.050	0.050	10/08/2022	ND	1.98	99.1	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.86	97.6	6.00	1.95	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 % 69.9-14		0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	88.0 % 45.3-16		1						
Surrogate: 1-Chlorooctadecane	urrogate: 1-Chlorooctadecane 104 % 46.3-17		8						

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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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Celeg D. Freene

No No Corrected Temp. °C



FORM-006 R 3.2 10/07/21

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		OFIES land, Hobbs, NM 8 326 FAX (575) 393-						100 to 10					CHAIN-O	F-CU	STO	DY AN	D AM	ALY	'SIS	REC	<u>)UES</u>	ST_			Page 11 of 11
Company Name:	DiamondBack Disposal		24/	0				Ť				L TO	Lancian diagnet is			ANAL	YSIS	REOL	FST						- -
Project Manager:	Justin Roberts							- 1	P.O. #					T	Т	T	1010	T		Т	_				$\overline{}$
Address: 2525 NV								-			: Me	wbourne		-											
City: Hobbs	State:	NM ZIP: 88240						-				Walker		+											
Phone #: (575)-392-9996						\rightarrow	Addre					+													
					-	City:					-														
Project #: MOC-386 Project Name: Aureus Derringer Frac Pond					\rightarrow	State:			Zip:		-														
Project Location:		//-						_	hone			ip-		-											
Sampler Name:								_	ax #:					-											
FOR LAB USE ONLY	- Custon Cwaley		_	_	_	МАТ	RIX			ESER	2V	SAMPLI	NG	-											
Lab I.D. H224598	Sample I.I	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL		ACID/BASE:	ICE / COOL		DATE	TIME	CI	EXT	DTEV									
	B51 @, 7'		c	#	Ö	3 Ø	00	5 6	O X	∑ X	Ö	10/3/22	11:20am	CL	TPH	BTEX	-	\vdash		\vdash	+-	_	\vdash		H
-	B52 @ 7'		c	1	+	X	+	+	+	X		10/3/22	11:22am	X	X	X		\vdash		_	1		\vdash		H
	B65 @ 3'		c	1	\vdash	x	+	\dashv	+	X		10/3/22	11:50am	X	X	X		+		_	+-				H
4	B69 @ 3'		c	1		X	T	\top	T	x		10/3/22	11:52am	X	x	X		\vdash		T					\Box
5	B70 @ 3'		c	1		X	\top	\top	T	x		10/3/22	11:54am	X	X	x									
6	B73 @ 1'		С	1		X	П			x		10/3/22	1:40pm	X	X	x									
7	B74 @ 1'		С	1		X				X		10/3/22	1:42pm	X	X	x									П
8	B75 @ 1'		c	1		X				X		10/3/22	1:46pm	X	X	X									
e applicable service. In no e	nages. Cardinal's liability and client's exclusive rvent shall Cardinal be liable for incident out of or related to the performance of	tal or consequental damages, includ	ling wit	thout lim	itation, I	business int	erruptions	, loss o	of use, or	loss of	f profits	incurred by client, it	ling those for negligen s subsidiaries,	ice and any of	ther cause w	natsoever shall b	e deemed v	aived unles	s made in w	riting and	received by	Cardinal wit	hin 30 days	after complet	tion of
Received By: Date: Received By: Time: Bate: Received By: Time: Received By:					1					esults are emailed. Please provide Email address: JasonO@diamondbacknm.com / nial@diamondbacknm.com / Justin / Connor															
Observed Temp. °C 3.9 Sample Condition Coorected Temp. °C 3.3 Sample Condition Cool Intact					on	(Initials)					Bacteria (only)	teria (only) Sample Condition													

Correction Factor -0.5°C



October 10, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 10/03/22 16:22.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: W 14 @ 5-7' (H224599-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	1.98	99.2	2.00	1.36	
Toluene*	<0.050	0.050	10/08/2022	ND	1.98	99.1	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	<0.150 0.150		10/08/2022	ND	5.86	97.6	6.00	1.95	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Analyte Result Reporting Lin		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	94.2 % 45.3-16		1						
Surrogate: 1-Chlorooctadecane 112 % 46.3-17		8							

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: W 15 @ 2-7' (H224599-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	1.98	99.2	2.00	1.36	
Toluene*	<0.050	0.050	10/08/2022	ND	1.98	99.1	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	<0.150 0.150		10/08/2022	ND	5.86	97.6	6.00	1.95	
Total BTEX	<0.300 0.300		10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 % 69.9-1		0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	104 % 45.3-16		1						
Surrogate: 1-Chlorooctadecane	arrogate: 1-Chlorooctadecane 125 % 46.3-17		8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: Sampling Type: Soil 10/10/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: MOC - 386

Project Location: MEWBOURNE - NM

Sample ID: W 16 @ 2-7' (H224599-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	1.98	99.2	2.00	1.36	
Toluene*	<0.050	0.050	10/08/2022	ND	1.98	99.1	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.86	97.6	6.00	1.95	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	101 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	120 9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: W 17 @ 0-2' (H224599-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	1.98	99.2	2.00	1.36	
Toluene*	0.149	0.050	10/08/2022	ND	1.98	99.1	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.86	97.6	6.00	1.95	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/07/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	222	111	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	100	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	119	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

No No Corrected Temp. °C



FORM-006 R 3.2 10/07/21

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2	rland, Hobbs, NM 8 326 FAX (575) 393-			*																			
Company Name:	DiamondBack Disposal	s								BII	LL TO				ANAL	YSIS F	REQU	JEST						
Project Manager:	Justin Roberts							1	P.O. #	:			T	T	Ι .				Т					Т
Address: 2525 NV	W County RD							-	Comp	any: Me	ewbourne		1											
City: Hobbs	State:	NM ZIP: 88240						1	Attn: (Conner	Walker		1											
Phone #: (575)-39	2-9996							1	Addre	ss:			1											
Project #:	MOC-386								City:				1											
Project Name:	Aureus Derringer Frac	Pond						1	State:		Zip:		1					-						
Project Location:	NM							F	Phone	#:			1											
Sampler Name:	Jason Owsley							F	ax #:				1											
FOR LAB USE ONLY Lab I.D.			Т			MAT	RIX		PRE	SERV.	SAMPLI	NG			1									
H224599	Sample I.I	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SCUDGE	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	CL	EXT TPH	BTEX									
1	W14 @ 5-7'		С	1		X				X	10/3/22	11:00am	X	x	x									\vdash
	W15 @ 2-7'		c	1		X				X	10/3/22	11:02am	x	X	x									
	W16 @ 2-7'		c	1		X	Ш	_		X	10/3/22	11:04am	X	X	X									
4	W17 @ 0-2'		С	1	_	X	Ш	4	_	X	10/3/22	1:50pm	X	X	X									
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applicable service. In no	Images. Cardinal's liability and client's exclusive event shall Cardinal be liable for incident out of or related to the performance of s	al or consequental damages, includ	ling with	out limitat	tion, busi	iness inte	rruptions	s, loss o	of use, or	loss of profit	s incurred by client, it	fing those for negligen s subsidiaries,	nce and any of	ther cause wh	atsoever shall b	e deemed wai	ved unles	s made in w	riting and re	eceived by	Cardinal wit	hir. 30 days	after comple	tion of
Relinquished By:	7	Date: 3 27 fime: 622		eived	Wal	M	L	la	las	Ken	e	Verbal Resul All Results a yesenial@dia REMARKS:	re emaile	d. Please	provide E	mail addr		Phone #: asonO@		dbackn	m.com /			
		Time:	1	- T								NEMANNS.											-	
Pelivered By: (Circle ampler - UPS - Bu		Observed Temp. °C 2.			Coo	nple Co	Yes	on			KED BY: itials)	Turnaround Time: Rush Thermometer II	Cool Intac	П	Bacteria (only) ed Temp. °C	Sample Condit		Yes	Yes					

Correction Factor -0.5°C



October 10, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 10/04/22 15:50.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: W 18 @ 0-2' (H224624-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.01	101	2.00	3.51	
Toluene*	0.134	0.050	10/08/2022	ND	2.12	106	2.00	2.83	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	97.8	2.00	3.44	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.88	98.0	6.00	4.33	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	218	109	200	3.94	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	118 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	130	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

Sample ID: W 19 @ 0-2' (H224624-02)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.10	105	2.00	1.30	
Toluene*	0.074	0.050	10/08/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	218	109	200	3.94	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	110 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	121 %	46.3-17	8						

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Celey & Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUST

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Add'l Dhone #

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DiamondBack Disposals							B	ILI	LTO				ANALY	SIS R	EQU	E31					
Justin Roberts										,											
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2-9996						Addr	ess:														
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	Т			MATR	X	PF	RESER\	V.	SAMPLII	NG	-										
Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME	CL	EXT TPH	BTEX								
W18 @, 0-2'	c	1		X		\perp	X	-			X	X	X				-				
W19 @ 0-2'	c	1		Х	\perp	1	X		10/4/22	1:52pm	X	X	X		_	-					
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Relinquished By:	Date: H-ZZ Received	d Byf Securara Us	dakel	All Results are emailed. Please provide Email address yesenial@diamondbacknm.com / Justin / Connor	:: JasonO@diamondbacknm.com /
Relinquished By:	Date: Received	ed By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C S. / Corrected Temp. °C 4.5	Sample Condition Cool Intact Yes Yes No No No	(Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. *C Thermometer ID #113 Correction Factor -0.5 C	Yes Yes No No Corrected Temp. *C



October 10, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 10/04/22 15:50.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 76 @ 2' (H224625-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/08/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	218	109	200	3.94	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	224	112	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	115 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	126	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 77 @ 2' (H224625-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/08/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	< 0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	251	125	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	135	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	145	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491

HOBBS NM, 88241 Fax To: (575) 3

Fax To: (575) 392-9376

mg/kg

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - NM

Sample ID: B 78 @ 3' (H224625-03)

BTEX 8021B

DIEX GOZID	iiig/	- Kg	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/08/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	251	125	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	128	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	137	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

ma/ka

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

Sample ID: B 79 @ 3' (H224625-04)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 10/08/2022	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050		10/08/2022						~~~~~
	0.050		ND	2.10	105	2.00	1.30	
	0.050	10/08/2022	ND	2.23	111	2.00	1.50	
< 0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.05	
<0.150	0.150	10/08/2022	ND	6.15	103	6.00	2.55	
<0.300	0.300	10/08/2022	ND					
101	% 69.9-14	0						
mg,	/kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
96.0	16.0	10/07/2022	ND	448	112	400	3.64	
mg,	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
<10.0	10.0	10/07/2022	ND	251	125	200	15.8	
<10.0	10.0	10/07/2022	ND					
123	% 45.3-16	1						
131	26 46.3-17	8						
	<0.300 101 9 mg/ Result 96.0 mg/ Result <10.0 <10.0 123 9	<0.150 0.150 <0.300 0.300 101	<0.150	<0.150 10/08/2022 ND 101 % 69.9-140 69.9-140 Analyzed By: GM Result Reporting Limit Analyzed Method Blank 96.0 16.0 10/07/2022 ND Result Reporting Limit Analyzed Method Blank <10.0 10.0 10/07/2022 ND	<0.150	<0.150 0.150 10/08/2022 ND 6.15 103 <0.300 0.300 10/08/2022 ND 6.15 103 101	<0.150	<0.150

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Celey D. Keene



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491

HOBBS NM, 88241 Fax To: (575) 3

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 80 @ 3' (H224625-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/08/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
DRO >C10-C28*	18.8	10.0	10/07/2022	ND	251	125	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	122	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	136	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: Sampling Type: Soil 10/10/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: MOC - 386 Sample Received By:

Project Location: MEWBOURNE - NM

Sample ID: B 81 @ 2' (H224625-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/08/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	251	125	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	127 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	135 9	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 82 @ 3' (H224625-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/08/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	251	125	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	116	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	123	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 83 @ 2' (H224625-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/08/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
DRO >C10-C28*	14.7	10.0	10/07/2022	ND	251	125	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	136	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	149	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: Sampling Type: Soil 10/10/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: MOC - 386 Sample Received By:

Project Location: MEWBOURNE - NM

Sample ID: B 84 @ 2' (H224625-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/09/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	251	125	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	123 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	133 9	6 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491 HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: 10/10/2022 Sampling Type: Soil

Project Name: AUREUS - DERRINGER FRAC POND Sampling Condition: Cool & Intact
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 85 @ 2' (H224625-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/09/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	251	125	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	128	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	137	% 46.3-17	8						

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC. JUSTIN ROBERTS P. O. BOX 2491

HOBBS NM, 88241

Fax To: (575) 392-9376

Received: 10/04/2022 Sampling Date: 10/04/2022

Reported: Sampling Type: Soil 10/10/2022

Project Name: **AUREUS - DERRINGER FRAC POND** Sampling Condition: Cool & Intact Sample Received By: Project Number: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

Sample ID: B 55 @ 2' (H224625-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2022	ND	2.10	105	2.00	1.30	
Toluene*	<0.050	0.050	10/09/2022	ND	2.23	111	2.00	1.50	
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.04	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.15	103	6.00	2.55	
Total BTEX	<0.300	0.300	10/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/07/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	227	113	200	5.41	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	251	125	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	117 5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	126	% 46.3-17	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marlan (575) 393-2326	d, Hobbs, NM 8 FAX (575) 393-																				Pad
Company Name:	DiamondBack Disposals	(0.0) 000						T		BI	LL TO				ANAL	YSIS	REQU	IEST				
Project Manager:	Justin Roberts							P.	0. #:			-	T	1.								П
Address: 2525 NV	W County RD							Co	ompai	ny: M	ewbourne		1									
City: Hobbs	State: NN	I ZIP: 88240						At	tn: Co	nner	Walker		1									
Phone #: (575)-39	92-9996							Ac	ddress	s:	To be a second		1									
Project #:	MOC-386							Ci	ity:	-			1									
Project Name:	Aureus Derringer Frac Por	nd						St	tate:		Zip:		1									
Project Location:	NM							Ph	hone #	# :			1									
Sampler Name:	Jason Owsley							Fa	ax #:				1									
OR LAB USE ONLY	T		Т	Т	Т	MAT	RIX		PRES	ERV.	SAMPLI	NG	1									
Lab I.D. HZZ4625	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	CL	EXT TPH	втех							
1	B76 @ 2'		c	1	1	X		Ť		X	10/4/22	9:00am	X	x	X							
2	B77 @ 2'		С	1		X				x	10/4/22	9:02am	X	x	X							
3	B78 @ 3'		С	1		X				X	10/4/22	1:10pm	x	x	X							
4	B79 @ 3'		c	1		X				x	10/4/22	1:12pm	X	x	X							
5	B80 @ 3'		c	1		X				X	10/4/22	1:14pm	X	X	x							
6	B81 @ 2'		c	1		X				X	10/4/22	1:16pm	X	X	X							
7	B82 @ 3'		c	1	3	x				x	10/4/22	1:18pm	x	x	x							Ш
	B83 @ 2'		c	1		X				X	10/4/22	11:50am	X	X	X							Ш
9	B84 @ 2'		c	1		X				X	10/4/22	11:52am	X	X	X							Ш
	B85 @ 2'		c	1		X				x	10/4/22	11:54am	X	X	x							
applicable service. In no	mages. Cardinal's liability and client's exclusive remed event shall Cardinal be liable for incidental or o g out of or related to the performance of service	consequental damages, include	ding with pardless	of whe	nitation, I	business inte h claim is ba	erruptions,	loss of	use, or lo	ss of pro	fits incurred by client, it	Verbal Result All Results a yesenial@dia	t: Y	′es □ I	No provide E	mail add	Add'l I	Phone #		III 30 days (intel comple	
elinquished By:	-	Date: Time:	Red	ceive	ed By	r:)	REMARKS:										

Corrected Temp. °C

Telivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

No No

CHECKED BY:

(Initials)

Thermometer ID #113

Correction Factor -0.5℃

Yes Yes

No No Corrected Temp. °C

FORM-006 R 3.2 10/07/21



FORM-006 R 3.2 10/07/21

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Yes Yes

No No Corrected Temp. °C

	ARDIN aborato	IAL ries										<u>C</u>	HAIN-O	F-CU	STOE	DY AN	ID A	NAL'	YSIS	REQ	UES	<u>T</u>			Page 15 of 15
		nd, Hobbs, NM 88																							180
Company Name:	DiamondBack Disposals	6 FAX (575) 393-2	24/0					Т		B	3/L	L TO				ANAL	YSIS	REQ	UEST						
Project Manager:	Justin Roberts						W.	P	2.0.#	:				T	T	T	T		Т						
Address: 2525 NV	W County RD							C	omp	any:	Mev	wbourne		1		-									
City: Hobbs	State: NI	M ZIP: 88240		- 2				A	ttn: (Conn	er V	Valker		1											
Phone #: (575)-39	2-9996							A	ddre	ss:				1						-					
Project #:	MOC-386							0	ity:			77777		1											
Project Name:	Aureus Derringer Frac Po	ond						s	state:			Zip:		7		1									
Project Location:	NM							P	hone	#:		<u> </u>		1											
Sampler Name:	Jason Owsley							F	ax #:					1											
FOR LAB USE ONLY			Т	Т		MA	TRIX	_	PRE	ESER	V.	SAMPLIN	NG .	1											
Lab I.D. H2246 75	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	TUED .	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CL	EXT TPH	ВТЕХ									
ALLIGER	B55 @, 2'		c	1	10	≤ Ø	10 0	+) <u> </u>	x X	9	10/4/22	12:00pm	X	x	X	+	+		1					П
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5	mages. Cardinal's liability and client's exclusive rem						Ш	I maid b	u the clien	1 for the	analys	sae All claims inclus	ling those for neglige	ince and any o	other cause wh	natsoever shall	l be deeme	ed waived unl	less made in	writing and	received by	Cardinal with	nin 30 days	after comple	tion of
no applicable service. In no	event shall Cardinal be liable for incidental or g out of or related to the performance of servi	r consequental damages, includ	ardless	of whe	nitation, i	h claim is l	terruptions	, loss o	or use, o	LIOSS OF	pronts	s incurred by client, it	Verbal Resu All Results a yesenial@di	ilt:	Yes 🗆	No e provide	Email a	Add'	I Phone #	¥:					
Refinquished By		Date:	Red	ceive	ed By						/	/	REMARKS:			/									
elivered By: (Circ Sampler - UPS - Bo		precised Temp. °C 50	5		c	ool Ir		on		C		KED BY: itials)	Turnaround Time:	Standa Cool Int		Bacteria (onl	ly) Sample	Condition							

Correction Factor -0.5°C

No No

<u>District I</u> 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

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 362598

QUESTIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	362598
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2226281123
Incident Name	NAPP2226281123 DERRINGER RECYCLE POND @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fvV2133637688] DERRINGER FEDERAL RECYCLE FACILITY

Location of Release Source										
Please answer all the questions in this group.										
Site Name	DERRINGER RECYCLE POND									
Date Release Discovered	08/07/2022									
Surface Owner	Federal									

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	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	
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.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 80 BBL Recovered: 0 BBL Lost: 80 BBL.
Is the concentration of 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)	Initial information indicated this spill was small and non-reportable. The release was entirely within the confines of release nAPP2213659921, which did not allow MOC to make volumetric calculations on the size. Information later obtained by Mewbourne indicated this spill to be larger than initially thought. Phone call was made to Jennifer Nobui on 9/6/2022 to explain the chain of events.

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

1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 362598

Phone:(505) 476-3470 Fax:(505) 476-3462		
QUESTIONS (continued)		
Operator:	OGRID:	
MEWBOURNE OIL CO	14744	
P.O. Box 5270	Action Number:	
Hobbs, NM 88241	362598	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
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 Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
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.	
	ilation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o sted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com	

Date: 07/10/2024

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

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, Page 3

Action 362598

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	362598
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contaminatio	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	592	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	68.7	
GRO+DRO (EPA SW-846 Method 8015M)	68.7	
BTEX (EPA SW-846 Method 8021B or 8260B)	0.4	
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	08/23/2022	
On what date will (or did) the final sampling or liner inspection occur	10/04/2022	
On what date will (or was) the remediation complete(d)	11/13/2022	
What is the estimated surface area (in square feet) that will be reclaimed 16000		
What is the estimated volume (in cubic yards) that will be reclaimed	3940	
What is the estimated surface area (in square feet) that will be remediated	16000	
What is the estimated volume (in cubic yards) that will be remediated	3940	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
	he time of submission and may (be) change(d) over time as more remediation efforts are completed. accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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**

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

QUESTIONS, Page 4

Action 362598

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	362598
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement

Name: Connor Walker Title: Senior Engineer

Email: cwalker@mewbourne.com Date: 07/10/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 362598

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	362598
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 362598

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	362598
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

Sampling Event Information	
Last sampling notification (C-141N) recorded	362696
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/14/2022
What was the (estimated) number of samples that were to be gathered	104
What was the sampling surface area in square feet	16000

Remediation Closure Request				
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.				
Requesting a remediation closure approval with this submission	Yes			
Have the lateral and vertical extents of contamination been fully delineated	Yes			
Was this release entirely contained within a lined containment area	No			
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes			
What was the total surface area (in square feet) remediated	16000			
What was the total volume (cubic yards) remediated	3940			
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes			
What was the total surface area (in square feet) reclaimed	16000			
What was the total volume (in cubic yards) reclaimed	3940			
Summarize any additional remediation activities not included by answers (above)	Please see attached Closure report for complete details.			

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 (in .pdf format) 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.

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.

Name: Connor Walker
Title: Senior Engineer
Email: cwalker@mewbourne.com
Date: 07/10/2024

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QUESTIONS, Page 7

Action 362598

QUESTIONS (continued)

Operator:	OGRID:
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P.O. Box 5270	Action Number:
Hobbs, NM 88241	362598
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	No	

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CONDITIONS

Action 362598

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	14744
	Action Number: 362598
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	7/16/2024