Page 1 of 170

Incident ID	NAPP2213659921
District RP	
Facility ID	
Application ID	

# Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.								
A scaled site and sampling diagram as described in 19.15.29.11 NMAC								
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)								
☐ Laboratory analyses of final sampling (Note: appropriate ODC Dis	strict office must be notified 2 days prior to final sampling)							
Description of remediation activities								
I hereby certify that the information given above is true and complete to and regulations all operators are required to report and/or file certain relemay endanger public health or the environment. The acceptance of a C-should their operations have failed to adequately investigate and remedi human health or the environment. In addition, OCD acceptance of a C-compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the conditionaccordance with 19.15.29.13 NMAC including notification to the OCD Printed Name:	ease notifications and perform corrective actions for releases which -141 report by the OCD does not relieve the operator of liability at 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.							
OCD Only								
Received by:	Date:02/06/2023							
Closure approval by the OCD does not relieve the responsible party of li remediate contamination that poses a threat to groundwater, surface wate party of compliance with any other federal, state, or local laws and/or re	er, human health, or the environment nor does not relieve the responsible							
Closure Approved by: Robert Hamlet	Date: <u>6/5/2023</u>							
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced							



# 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	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 23<sup>rd</sup>, 2022 and October 4<sup>rd</sup>, 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 4<sup>th</sup>, 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 10<sup>th</sup>, 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

Reseived	bylagis Dine2k6/	/2 <u>923</u> 29:36:4	6 AMLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/ kg	ETHYL-BENZEN (mg/ kg)	TOTAL XYLENES mg/kg	TOTAL BTEX (mg/kg)	(mg/kg)	DRO C 6-C 10 (mg/kg)	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	age Guofire70 (mg/kg)
W-1 WALL	H223840-01	0-3'	08-22-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
W-2 WALL	H223840-02	0-3'	08-22-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
W-3 WALL	H223840-03	3-5'	08-22-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
W-4 WALL W-5 WALL	H224115-01 H224115-02	5-7' 0-5'	09-07-2022 09-07-2022	COMP	<0.050 <0.050	0.166 0.071	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	288 288
W-6 WALL	H224115-03	0-5'	09-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
W-7 WALL	H224115-04	0-5'	09-07-2022	COMP	<0.050	0.157	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
W-8 WALL	H224135-01	0-2'`	09-08-2022	COMP	<0.050	0.155	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	544
W-9 WALL	H224135-01	0-5'	09-08-2022	COMP	<0.050	0.393	<0.050	<0.150	0.393	<10.0	<10.0	<10.0	<10.0	64.0
W-10 WALL	H224287-01 H224287-02	0-7' 0-7'	09-15-2022	COMP	<0.050 <0.050	0.159 0.177	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	368 368
W-11 WALL W-12 WALL	H224287-02	2-7'	09-15-2022 09-15-2022	COMP	<0.050	0.177	<0.050	<0.150	<0.300	<10.0 <10.0	<10.0	<10.0	<10.0	192
W-13 WALL	H224287-04	2-7'	09-15-2022	COMP	<0.050	0.068	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
W-14 WALL	H224599-01	5-7'	10-03-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
W-15 WALL	H224599-02	2-7'	10-03-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
W-16 WALL	H224599-03 H224599-04	2-7' 2-7'	10-03-2022 10-03-2022	COMP COMP	<0.050 <0.050	<0.050 0.149	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	272 160
W-17 WALL W-18 WALL	H224599-04 H224624-01	0-2'	10-03-2022	COMP	<0.050	0.149	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
W-19 WALL	H224624-02	0-2'	10-04-2022	COMP	<0.050	0.074	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPHT	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/ kg	ETHYL-BENZEN (mg/ kg)	TOTAL XYLENES mg/kg	TOTAL BTEX (mg/kg)	GRO C 6-C 10 (mg/kg)	DRO C 6-C 10 (mg/kg)	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
B-1 FLOOR	H223839-01	3'	8-22-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	576
B-2 FLOOR	H223839-02	3'	8-22-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B-3 FLOOR B-4 FLOOR	H223839-03 H223839-04	3'	8-22-2022 8-22-2022	COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	32.0 160
B-5 FLOOR	H223839-05	3'	8-22-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
B-6 FLOOR	H223839-06	3'	8-22-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
B-7 FLOOR	H223839-07	3'	8-22-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
B-8 FLOOR	H224034-01	5'	9-01-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
B-9 FLOOR	H224034-02	5'	9-01-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
B-10 FLOOR	H224114-01	7'	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-11 FLOOR B-12 FLOOR	H224034-03 H224034-04	5' 5'	9-01-2022 9-01-2022	COMP COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	80.0 80.0
B-13 FLOOR	H224034-05	5'	9-01-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
B-14 FLOOR	H224114-02	7'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
B-15 FLOOR	H224114-03	7'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
B-16 FLOOR	H224034-06	5'	9-01-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
B-17 FLOOR	H224034-07	5' 5'	9-01-2022 9-01-2022	COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	160.0 80.0
B-18 FLOOR B-19 FLOOR	H224034-08 H224034-09	5'	9-01-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
B-20 FLOOR	H224034-10	5'	9-01-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
B-21 FLOOR	H224034-11	5'	9-01-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
B-22 FLOOR	H224034-12	5'	9-01-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
B-23 FLOOR B-24 FLOOR	H224034-13 H224034-14	5' 5'	9-01-2022 9-01-2022	COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	64.0 96.0
B-24 FLOOR B-25 FLOOR	H224034-14 H224114-04	5'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
B-26 FLOOR	H224114-05	7'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35.4	<10.0	35.4	176
B-27 FLOOR	H224286-01	7'	09-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
B-28 FLOOR	H224286-02	7'	09-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
B-29 FLOOR B-30 FLOOR	H224114-06 H224286-03	7' 7'	9-07-2022 09-15-2022	COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	64.0 96.0
B-31 FLOOR	H224286-04	7'	09-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
B-32 FLOOR	H224286-05	7'	09-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
B-33 FLOOR	H224114-07	7'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
B-34 FLOOR	H224286-06	7'	09-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
B-35 FLOOR	H224286-07	7'	09-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
B-36 FLOOR B-37 FLOOR	H224286-08 H224286-09	7' 7'	09-15-2022 09-15-2022	COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	96.0 96.0
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-39FLOOR	H224114-09	5'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
B-40 FLOOR	H224114-13	2'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.20	<10.0	47.2	320
B-41 FLOOR	H224114-15	2'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	68.7	<10.0	68.7	384
B-42 FLOOR	H224114-10	2'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.3	<10.0	28.3	112
B-43 FLOOR	H224114-11	2'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
B-44 FLOOR B-45 FLOOR	H224114-12 H224114-13	2' 2'	9-07-2022 9-07-2022	COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 47.2	<10.0 <10.0	<10.0 <10.0	240 64
B-46 FLOOR	H224114-16	2'	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
	to Thiaging:			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	0/3/2023 11.	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	/202220.26	9-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	54.5	<10.0	54.5	400 170
Regerren i	y 4224136-014/0	<del>/2023 29:36:</del>	40 Ag 18-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	ge 6 of 170
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: 6/5/2023 11:18:47 AM



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: 6/5/2023 11:18:47 AM



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**

Dognongible	Doets: M	auchauma Oil Cam	anony		OGRID	14744				
Responsible Party Mewbourne Oil Company  Contact Name Connor Walker										
Contact Name Connor Walker  Contact email cwalker@mewbourne.com				Contact Telephone 806-202-5281						
Contact ema	Contact email cwalker@mewbourne.com  Contact mailing address 4801 Business Park Blvd, Hobbs, NM 8					Incident # (assigned by OCD)				
Contact mail	ling address	4801 Business I	Park Blvd, Hobbs	s, NM 88	3240					
			Location	n of D	alanca S	Source				
			Location	11 01 10	cicase s	30th CC				
Latitude 32.5	575240					e -104.113515				
			(NAD 83 in 6	decimal de	grees to 5 dec	cimal places)				
Site Name A	ureus – Deri	ringer Recycle Por	nd		Site Type	Pipeline				
Date Release Discovered 5/2/2022					API# (if ap	applicable) nAPP2213659921				
Unit Letter	Section	Township	Range		County					
G	18	20S	29E	Edd	y					
Surface Owne	r: State		ribal	(Name:		)				
			Nature ar	nd Vo	lume of	'Release				
				101	01	11010450				
Crude Oi		Volume Release		ch calcula	tions or specifi	Volume Recovered (bbls)				
						` '				
Produced	Water	Volume Release	, ,			Volume Recovered (bbls) 80				
		Is the concentra produced water	tion of dissolved >10,000 mg/l?	l chlorid	e in the	⊠ Yes □ No				
Condensa	ate	Volume Release				Volume Recovered (bbls)				
Natural C	Gas	Volume Release	ed (Mcf)			Volume Recovered (Mcf)				
Other (de	escribe)	Volume/Weight	t Released (provi	ide units	)	Volume/Weight Recovered (provide units)				
Cause of Rel	ease									
A discharge	line downsti	ream of the charge	pump came apa	rt.						
i										

Received by OCD: 2/6/2023 9:36:46 AMI State of New Mexico
Page 2 Oil Conservation Division

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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							
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given by Connor Walker to ocd.enviro@state.nm.us on 5/3/2022 @ 3:52PM via email.							
	Initial Response						
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury							
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

	Page 12 of 17	0
Incident ID	NAPP2213659921	
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?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	⊠ Yes □ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	rtical extents of soil
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 well 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	lls.

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: 2/6/2023 9:36:46 AM State of New Mexico
Page 4 Oil Conservation Division

Incident ID NAPP2213659921
District RP
Facility ID
Application ID

I hereby certify that the information given above is true and complete to the be regulations all operators are required to report and/or file certain release notificable public health or the environment. The acceptance of a C-141 report by the OG failed to adequately investigate and remediate contamination that pose a threat addition, OCD acceptance of a C-141 report does not relieve the operator of reand/or regulations.	ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
Printed Name: Connor Walker	Title: Sr. Engineer
Signature: cwalker@mewbourne.com	Date: _2/6/2023 Telephone: 806-202-5281
OCD Only  Received by: Jocelyn Harimon	Date: 02/06/2023

Page 14 of 170

Incident ID	NAPP2213659921
District RP	
Facility ID	
Application ID	

# Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
and regulations all operators are required to report and/or file certainay endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name: Connor Walker	Title: Sr. Engineer
Signature:	Date: _2/6/2023
email:cwalker@mewbourne.com	Telephone: 806-202-5281
OCD O-1-	
OCD Only  Received by:	
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
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

 $\mathbf{X}$ 

CP 01201 POD1 2 2 1 18 20S 29E

582983 3605121

21 🌍

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:11/08/2013PCW Rcv Date:Source:ShallowPump Type:Pipe Discharge Size:Estimated Yield:100 GPMCasing Size:6.00Depth Well:140 feetDepth Water:100 feet

Water Bearing Stratifications: Top Bottom Description

100 130 Sandstone/Gravel/Conglomerate

Casing Perforations: Top Bottom

79 119

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

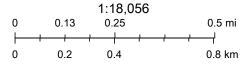
**GIS WATERS PODs** 

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.

Received by OCD: 2/6/2023 9:36:46 AM



Received by OCD: 2/6/2023 9:36:46 AM





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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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 FRAC POND Sampling Condition: Cool & Intact
Project Number: MEWBOURNE OIL COMPANY Sample Received By: Tamara Oldaker

A ... - I. ... - d D. ... 311 /

Project Location: NM

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

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: GM					
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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene



### 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 Tamara Oldaker Sample Received By:

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 5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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						

### Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



### 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: B3 @ 3' (H223839-03)

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	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, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	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	% 46.3-17	8						

### Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Fax To: (575) 392-9376

Received: 08/22/2022 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: B4 @ 3' (H223839-04)

BTEX 8021B	mg/kg		Analyze	Analyzed 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	10						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/23/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	51						
Surrogate: 1-Chlorooctadecane	82.5	% 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: 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: B5 @ 3' (H223839-05)

RTFY 8021R

BIEX 8021B	mg	/кд	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	111	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed 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	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	79.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	79.3	% 46.3-17	8						

### Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Fax To: (575) 392-9376

Received: 08/22/2022 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: B6 @ 3' (H223839-06)

BTEX 8021B	mg/kg		Analyze	Analyzed 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, SM4500CI-B	mg,	/kg	Analyze	Analyzed 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	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	81.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.6	% 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: 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	Analyzed 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	mg/	kg	Analyzed 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	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	83.1 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.8 9	% 46.3-17	'8						

### Cardinal Laboratories \*=Accredited Analyte

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### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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  Analyte	mg/kg		Analyzed By: JH						
	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		Analyzed 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						

### 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: 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

Analyzed By: JH

Project Location: NM

mg/kg

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

BTEX 8021B

DILX GOZID	mg/ kg		Allalyzea by: 311						
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, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	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	83.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.5	% 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: 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

Applyzod By: 14

Project Location: NM

ma/ka

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

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	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	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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 6



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

Applyand By 14/

Project Location: NM

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

DTEV 0021D

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, SM4500CI-B	mg/kg		Analyzed 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	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	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

Analyzed By: JH/

Project Location: NM

mg/kg

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

BTEX 8021B

DIEX GOZID	11197	, kg	Allulyzo	.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	2.07	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 9	% 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. 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: 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 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	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.9	% 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
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: NM

ma/ka

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

RTFY 8021R

BIEX 8021B	mg	/кд	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	2.07	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	% 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	272	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	83.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103	% 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
Project Number: MOC-386 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: NM

mg/kg

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

BTEX 8021B

DILX GOZID	mg/	ng .	Allulyzo	a by. 5117					
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	Analyze	ed 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	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	80.7	% 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						

# 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 Sample Received By: Project Number: MOC-386 Tamara Oldaker

Project Location: NM

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

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 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	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. 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: B19 @ 5' (H224034-09)

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	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	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
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

Analyzed By: JH

Project Location: NM

mg/kg

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

BTEX 8021B

DIEX GOZID	11197	ng .	Allulyzo	.u by. 511					
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	% 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	88.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	105	% 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: B22 @ 5' (H224034-12)

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	09/06/2022	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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	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	% 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: B23 @ 5' (H224034-13)

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	09/03/2022	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 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	09/06/2022	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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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: B24 @ 5' (H224034-14)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	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	<i>'8</i>						

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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. Keene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326	(575) 393-2326 FAX (575) 393-2476	476																							
Company Name: D	Company Name: DiamondBack Disposals							_		В	BILL TO				ANAL	ANALYSIS		REQUEST	Ä							
Project Manager: Justin Roberts	ustin Roberts							P.O.	0.#:								$\dashv$	_				$\neg$	$\dashv$			-
Address: 2525 NW County RD	County RD							2	ompa	ny: N	Company: Mewbourne					_	_	_				_				
City: Hobbs	State: NM	ZIP: 88240						At	tn: C	onne	Attn: Conner Walker						_									
Phone #: (575)-392-9996	-9996							Ac	Address:	S								4								
Project #:	MOC-386							City:	ţ.								_	_						e .	x	
Project Name:	Aureus Derringer Frac Pond	bn						St	State:		Zip:								_							
Project Location:	MM							P	Phone #:	#																
Sampler Name:	Jason Owsley .							Fa	Fax #:			,												,		
FOR LAB USE ONLY				$\vdash$	$\  \cdot \ $	MATRIX	≅	╁	PRES	PRESERV.	SAMPLING	G											_			
Lab I.D.			Ρ.	_	$\dashv$			$\dashv$		_							_			1						
	Sample I.D.		R (C)OMF							DL																
H334034		,		# CONTA	WASTEW	SOIL	OIL SLUDGE	OTHER:	ACID/BA	OTHER:	DATE	TIME	CL	EXT	ВТЕХ											
-	B8 @ 5'		c 1	_		×				X	9/1/22	11:00am	X	X	×											_
ىل	B9 @ 5'		c 1	_		X				X	9/1/22	11:02am	×	×	×											_
N	B11 @ 5'		c 1	_		X				X	9/1/22	11:04am	X	X	X								_			$\vdash$
בי	B12 @ 5'		c 1	_		×				×	9/1/22	11:06am	×	×	×				_							
N	B13 @ 5'		c 1	F		×				×	9/1/22	11:08am	X	Х	×							T	_			-
6	B16 @ 5'		c 1	_		×	-			×	9/1/22	11:10am	X	×	×								_			-
7	B17 @ 5'		c 1			×				×	9/1/22	11:12am	×	×	×											_
×	B18 @ 5'		c 1			X				×	9/1/22	11:14am	X	Х	X							T	-		1	-
9	B19 @ 5'		c 1	_		×				X	9/1/22	11:16am	X	X	X											-
	@ 5'		c 1	F	$\vdash$	×				×	9/1/22		×	Х	×		-	-	_							_
	EASE NOTE. Liability and Damagas, Card'un's liability and clerifs exclusive remedy for any claim arting whether based in contract or tot, and be limited to the amount pold by the clerif for the "phalyses, All claims in applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client limitation 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	edy for any claim arising whether bas consequental damages, includi ces hereunder by Cardinal, rega	ng without rdless of t	act or tort, t limitation whether	ct or tort, shall be lim limitation, busine whether such clair	ess interru im is based	ruptions ed upon	loss of use, or any of the above	ne client fouse, or lone above	for the sinally loss of profit e stated rea	≓ <u>0</u>	uding those for negligence its subsidiaries,	and any	any other cause whats	oever shall	shall be geemed warved unless made in writing and received by Cardinal writin	warved u	niess mac	de in writin	ig and re	sceived b	y Cardin	al within	30 days after	aner com	npieto
Relinquished By:		Date: - 22 Time: 552	Received By:	ived	S. S.	6	0	A.	A)	19	See	Verbal Result: ☐ Yes ☐ No All Results are emailed. Please provide Email yessi_diamond@yahoo.com / Justin / Connor	email d@yah	ult: ☐ Yes ☐ No Add'l Phone #: are emailed. Please provide Email address: Jason.Owsley.DB@gmail.com / iond@yahoo.com / Justin / Connor	rovide stin / Co	Email a	Add	Add'I Phone #: ess: Jason.Ow	ne #:	ey.DB	@gma	ail.con	n /		7	
Relinquished By:		Date:	Received By:	ived	By:							REMARKS:														
Delivered By: (Circle Campler - UPS - Bus		Observed Temp. °C   9 Corrected Temp. °C   3	0.~		Samp Cool	Sample Condition Cool Intact	ondition let	ă		CHE	CHECKED BY: (Initials)	Turnaround Time:	Standard Cool Intact	Observ	acteria (onl) Temp. °C	Bacteria (only) Sample Condition ad Temp. °C	ondition									
ived by	,						No		1	2	, 0	Thermometer ID #113 Correction Factor -0.5°C	#113 r -0.5°C						Yes Yes		Corrected Temp. °C	mp. °C				
Rece	FORM-006 R 3.2 10/07/21 *	† Cardinal cann	ot acc	cept v	verba	l cha	nges	. Plea	se ei	mail o	• Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	ey.keene@car	dinall	absnm.com	3											
1				,			(																			

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 18 of 18

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

Company Name: Di	Company Name: DiamondBack Disposals						_		BI	BILL TO				ANALYSIS		REQUEST	UES								L
Project Manager: Justin Roberts	ustin Roberts						P.O	P.O. #:						.*			$\neg$	_							
Address: 2525 NW County RD	County RD	X					င္ပ	mpai	ny: M	Company: Mewbourne															
City: Hobbs	State: NM	N ZIP: 88240					Att	n: Co	onnei	Attn: Conner Walker													_		
Phone #: (575)-392-9996	-9996						Ad	Address	S:							_						_	_		
Project #:	MOC-368	0					City:	Ŋ.																	
ame:	Aureus Derringer Frac Pond	nd					St	State:		Zip:					,			_							
Project Location: NM	MM						무	Phone #:	#																,
Sampler Name:	Jason Owsley	,					Fa	Fax #:				,						_							
4			$\dashv$		MATRIX	RIX	1	PRESERV	SERV.	SAMPLING	G						-								
Lab I.D.		AAD.	IVIP.																						
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1	B24 @ 5'		c 1		×		$\vdash$		Х	9/1/22	1:21pm	X	×	Х	T	$\vdash$	+	_			T	+	+		
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THEASE NOTE: Liability and Dan the applicable service. In no e affiliates or successors arising	HEASE NOTE: Lability and Camages. Cardioxis lability and districts exclusive number for any claim stating whether based in contract or tot, shall be intended to the amount paid by the centro are analyses, no centre of the property of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without intendiation, business indirect uninterruptions, asso of use, or foot so for fortish contract by client, its subsidiaries of successors arising out of or related to the performance of services intended by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	edy for any claim arising whether base ir consequental damages, includin vices hereunder by Cardinal, regar	d in contract g without liu dless of wh	or tort, shall mitation, b nether such	usiness in claim is t	terruption based upo	nt paid by s, loss of n any of	use, or the abov	loss of p	paid by the client for the analyses, and warms incovering broken to loss of use, or loss of profits incurred by client, its subsidiaries any of the above stated reasons or otherwise.	subsidiaries,														
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Relinquished By:		Date:	Received By	/ed By			1				REMARKS:														1
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	One) - Other:	Observed Temp. °C 1, 9	OL LO	- C S	Sample Condition Cool Intact Cool Ares	Condit ntact	ion		오	CHECKED BY: (Initials)	Turnaround Time:	Standard Cool Intact	199	Bacteria (only) Sample Condition Observed Temp. °C	y) Sample (	Condition									
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Rece	FORM-006 R 3.2 10/07/21	† Cardinal cann	ot acc	ept ve	rbal cl	hange	s. Ple	ase	emai	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	ley.keene@ca	ardina	llabsnm.c	om											



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

Applyand By 14

Project Location: MEWBOURNE - NM

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

DTEV 0021D

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, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/12/2022	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. Keine



# 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: B14 @ 7' (H224114-02)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
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	% 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	09/12/2022	ND	400	100	400	3.92	
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	09/10/2022	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	% 46.3-17	78						

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
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

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

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	2.08	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, 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*	<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	<i>'</i> 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: 09/07/2022 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: B25 @ 5' (H224114-04)

RTFY 8021R

B1EX 8021B	mg,	кg	Апануге	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	2.08	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	d 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	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	81.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	87.2	% 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: 09/07/2022 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: B26 @ 7' (H224114-05)

RTFY 8021R

BIEX 8021B	mg	/ kg	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, SM4500Cl-B	mg,	/kg	Analyze	ed 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	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*	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	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

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	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, SM4500Cl-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	09/12/2022	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	69.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	74.1	% 46.3-17	<i>'8</i>						

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: 09/07/2022 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: B33 @ 7' (H224114-07)

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	09/10/2022	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	272	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	87.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.8	% 46.3-17	<i>'</i> 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: 09/07/2022 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 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	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	d 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
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

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

RTFY 8021R

B1EX 8021B	mg,	<sup>и</sup> кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2022	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	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	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

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 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	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 Project Number: MOC - 386 Sample Received By: Tamara Oldaker

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
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

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

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	09/10/2022	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	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: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

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

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	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

BIEX 8021B	mg	/ <b>kg</b>	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	2.09	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	99.8	% 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	384	16.0	09/12/2022	ND	400	100	400	7.69	
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	09/10/2022	ND	222	111	200	0.0771	
DRO >C10-C28*	68.7	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	68.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.0	% 46.3-17	<i>'8</i>						

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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

Project Location: MEWBOURNE - NM

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

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	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	82.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.1	% 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
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	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2022	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	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	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	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
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

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

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	09/10/2022	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, 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: 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						

# 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 Project Number: MOC - 386 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - NM

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	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*	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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Celeg D. Keene

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



CARUINAL			2				
			19				je 22
101 East Marla (575) 393-23:	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476						Pag
Company Name: DiamondBack Disposals			BILL TO	*		ANALYSIS REC	REQUEST
Project Manager: Justin Roberts		P.O. #:	*		-	_	
Address: 2525 NW County RD		Con	Company: Mewbourne			_	
State:	NM ZIP: 88240	Attn	Attn: Conner Walker		1	_	
Phone #: (575)-392-9996		Add	Address:				7
Project #: MOC-386		City:					o o
Project Name: Aureus - Derringer Frac Pond	Pond	State:	e: Zip:				
Project Location: NM		Pho	Phone #:				
Sampler Name: Jason Owsley		Fax #:	#				
FOR LABUSE ONLY		MATRIX	PRESERV. SAMPLING	6)	_		
Sample I.D.	R (C)OMP.	TER		15			
H77 4114	(G)RAB OI	GROUNDY WASTEWASOIL OIL SLUDGE OTHER: ACID/BASI	ICE / COO OTHER :	TIME CL	EXT TPH	BTEX	
B10 @ 7'	c 1		x 9/7/22	11:30am x	×	X	
2 B14 @ 7'	c 1	×	x 9/7/22	11:32am x	×	×	
3 B15 @ 7'	c 1	×			×	Х	
4 B25 @ 5	c 1	X	X 9/1/22	11:36am x	×	×	
S B26 @ 7"	c 1	×	9/7/22	$\perp$	×	Х	
(c) B29 (a) 7'	$\perp$	×	9/1/22		×	×	
B33 (0) 1	$\perp$	×	Ť		× ×	* *	
<b>Э</b> В39 @ 5'	c 1	××	x 9/7/22	1:02pm x	××	××	
				-			
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Relinquished By:	Time; 625- Received By:	By:	The state of	Verbal Result: ☐ Yes ☐ No All Results are emailed. Please provide Email yessi_diamond@yahoo.com / Justin / Connor	□ Yes □ ailed. Pleaso rahoo.com / √	No Address e provide Email address Justin / Connor	Verbal Result:     □ Yes     □ No     Add'! Phone #:       All Results are emailed. Please provide Email address: JasonO@diamondbacknm.com / yessi_diamond@yahoo.com / Justin / Connor     Image: JasonO@diamondbacknm.com / Justin / Connor
Relipquished By:	Date: Received By:	By:	,	REMARKS:			
,		Sample Condition	CHECKED BY:	Turnaround Time: Sta	Standard	Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact		Rush Cool	Obse	rved Temp. °C	
		No No	~(	Thermometer ID #113 Correction Factor -0,5°C	6°C		□ No □ No Corrected Temp. *C

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 Labora	aboratories		10	CHAIN-OF-C	USTODY	AND ANA	OF-CUSTODY AND ANALYSIS REQUEST of 23
· 101 East	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476						
Company Name: DiamondBack Disposals	posals	,	BILL TO	2		ANALYSIS RE	REQUEST
Project Manager: Justin Roberts	~		P.O. #:				
Address: 2525 NW County RD			Company: Mewbourne				
City: Hobbs St	State: NM ZIP: 88240	7	Attn: Conner Walker			7.	
Phone #: (575)-392-9996			Address:				
Project #: MOC-386		2	City:			a ,	
Project Name: Aureus - Derringer Frac Pond	er Frac Pond		State: Zip:				
Project Location: NM			Phone #:				
Sampler Name: Jason Owsley			Fax #:			×	
Lab I.D.		MATRIX	PRESERV. SAMPLING	NG	-1		
Sample I.D.	OR (C)OM	DWATER NATER	SE:				
411422H		WASTEV SOIL OIL SLUDGE	OTHER: ACID/BA ICE / CO OTHER: DATE	TIME CL	EXT	BTEX	
16 B42 @ 2'	$\vdash$	×	x 9	×	Х		
// B43 @ 2'	c 1	×	x 9/7/22	2:42pm x	х		
1	$\perp$		T	$\perp$			
13 B45 @ 2'	_		T				
1 B40 @ Z	$\perp$	+	T				
/5 B41 @ Z	C	× ×	x 9/1/22	3:14pm x	××		
17 B47 @ 2'	c 1		$\top$		X		_
18 B48@2'	c 1	Х	x 9/7/22	3:18pm x			
19 849@2'	c   1	х	x 9/7/22	Х	Х	ahall	unifies and resolved by Cordinal within 20 days often completion
*** Labout No. 12. Labout you Lambage. Labout an about or certs excluse remay for any anneal page of the cert of the anneal page of the anneal pa	s excusive terney to any caim arising whether cased in order incidental or consequental damages, including without mance of services hereunder by Cardinal, regardless of	I limitation, business interruptions, loss whether such claim is based upon any	P 0	its subsidiaries,	ally other cause whatso	akei silaii be dedilen malke	да шили да в дей се дей се дей се дей се дей се дей се дей седини
Relinquished By:	Date: 7-22 Rece	Received By:		Verbal Result: ☐ Yes ☐ No All Results are emailed. Please provide Email yessi_diamond@yahoo.com / Justin / Connor	l Yes □ No ailed. Please pr ahoo.com / Just	A ovide Email addrei in / Connor	Verbal Result: ☐ Yes ☐ No
Relinquished By:		Received By:		REMARKS:			
2/0	- IIIe						
Sampler - UPS - Bus - Other:	Observed Temp. °C 3. A Corrected Temp. °C 3. A	Sample Condition Cool Intact Tyes Tyes	CHECKED BY: (Initials)	Turnaround Time: Stat	d 🗓	Bacteria (only) Sample Condition of Temp. °C	99
ved-by		No No	. (	Thermometer ID #113 Correction Factor -0.5°C	o Age		□ Yes □ Yes □ No □ No □ Corrected Temp. *C
Receir FORM-006 R 3.2 10/07/21	† Cardinal cannot acc	ept verbal changes. P	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	ley.keene@cardina	allabsnm.com		



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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: 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
Project Number: MOC - 386 Sample Received By: Tamara Oldaker

A ..... I ..... . J D. ... 711

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						

# 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: 09/14/2022 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: 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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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 Tamara Oldaker Project Number: MOC - 386 Sample Received By:

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, 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	09/12/2022	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						

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: 09/14/2022 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 7 @ 0-5' (H224115-04)

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	09/10/2022	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, SM4500CI-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						

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

Pag	Laboratories				CHAIN-OF-COSTODT AIND ANALTOIS NEWSEST	
	101 East Marland	101 East Marland, Hobbs, NM 88240	,, ,	•		
Company Name: DiamondBack Disposals	mondBack Disposals	ck Disposals		BILL TO	ANALYSIS REQ	REQUEST
Project Manager: Justin Roberts	tin Roberts			P.O. #:		
Address: 2525 NW County RD	ounty RD			Company: Mewbourne		
City: Hobbs	State: NM	ZIP: 88240		Attn: Conner Walker		
Phone #: (575)-392-9996	996			Address:		
Project #: MC	MOC-386			City:		e e
ame:	Aureus Derringer Frac Pond	1d		State: Zip:		/
Project Location: NM	4			Phone #:		
Sampler Name: Jas	Jason Owsley			Fax #:		
_			MATRIX	PRESERV. SAMPLING	ING	
Lab I.D.		MP.				
	Sample I.D.	RAB OR (C)O	OUNDWATER STEWATER	HER: ID/BASE: E/COOL HER:	EXT	
W	W4 @ 5-7'	C .	Х	x 9	1:50pm x x x x	
D.	W5 @ 0-5'	С	1 x		1:52pm x x x	
	W6 @ 0-5'	c	1 x	x 9/7/22	1:54pm x x x	
	W7 @ 0-5'	c	1 ×	x 9/7/22	1:56pm x x x	
PLEASE NOTE: Liability and Damages the applicable service. In no event	*EEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the aritish applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interrupt in this applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interrupt intelligence or successors asking out of or praigide to the performance of services hereunded by Cardinal, regardless of whether such claim is based	dy for any claim arising whether based in confract or lort, shall be consequential damages, including without limitation, businesses hereunder by Cardinal, regardless of whether such cl	contract or fort, stall be limited to the amount ithout limitation, business interruptions, so of whether such claim is based upon	mour paid by the client for the analyses. All claims including those for those, loss of use, or loss of profits incurred by client, its subsidiaries upon any of the above stated reasons or otherwise.	negligence and any other cause	whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of
3 9:36:		Date: 7.72 Re	Received By:	May be	Verbal Result: □ Yes □ No   Add'l Phone #:   All Results are emailed. Please provide Email address: JasonO@diamondbacknm.com / yessi_diamond@yahoo.com / Justin / Connor	'I Phone #: JasonO@diamondbacknm.com /
Relinquished By:		Date: Re	Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - O	ther:	Observed Temp. °C 3-2	Sample Condition Cool Intact	tion CHECKED BY: (Initials)	Turnaround Time: Standard ( Bacteria (only) Sample Condition Rush Cool Infact Observed Temp. *C	
veu by		,		4	Thermometer ID #113 Correction Factor -0.4°C	□ Yes □ Yes □ No □ No Corrected Temp. "C
FORM-006 R 3.2 10/07/21	3.2 10/07/21	† Cardinal cannot	accept verbal change	es. Please email changes to	Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com	



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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: 09/14/2022 Sampling Type: Soil

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

Applyand By 14

Project Location: MEWBOURNE - NM

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

DTEV 0021D

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						

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: 09/14/2022 Sampling Type: Soil

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

Project Location: MEWBOURNE - NM

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

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	09/13/2022	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 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	09/13/2022	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	93.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.0	% 46.3-17	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### **Notes and Definitions**

QR-04 The RPD for the BS/BSD was outside of historical limits.

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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(0,0) 000 2000 1.00 (0,0) 000 =						
Company Name: DiamondBack Disposals	nondBack Disposals	BILL TO		ANALYSIS	SIS REQUEST		
Project Manager: Justin Roberts	tin Roberts	P.O. #:					
Address: 2525 NW County RD	ounty RD	Company: Mewbourne		_			
City: Hobbs	State: NM ZIP: 88240	Attn: Conner Walker				ī	
Phone #: (575)-392-9996	996	Address:			V	_	
Project #: MO	MOC-386	City:					0
ame:	Aureus - Derringer Frac Pond	State: Zip:		_			_
Project Location: NM		Phone #:					
	Jason Owsley	Fax #:					
alle.		CEBV		_	_	_	_
Lab I.D.	MATRIX	PRESERV. SAMPLING	G				
	Sample I.D.  B OR (C)OMP.  ITAINERS  NDWATER  EWATER	R: BASE:					
125-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 150-150 15	# C	OTI ACI ICE	TIME CL	TPH BTEX			
	W8 @ 0-2' c   1   x	x 9/8/22	11:30am x x	×	-		
SW W	W9 @ 0-5' c   1   x	x 9/8/22	11:45 x x	X			
			7				
M					and a second in writing	and received by Cordinal	makin 20 days after completio
the applicable service. In no event to affiliates or successors arising out of the service.	EASE NOTE: Lability and Damagea. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for me arisingses. All claims inclining those for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, inclined by cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	or orbit, shall be limited to the amount paid by the client for the analyses, Au cliams including mose not negligi- il imitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, whether such claim is based upon any of the above stated reasons or otherwise.	eglige	Cause wildisoever stall be	якуе віга длу співс садзе мівізменеї зніві ве ферінем манем мінема нівосе ін тіпініў віли госовком му смення типін см ому «тис» сміную	Survey of posterior and Survey	
Relinquished By:	8-20 Receiv		Verbal Result:	uit: ☐ Yes ☐ No are emailed. Please provide Email ad	Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #:  All Results are emailed. Please provide Email address: JasonO@diamondbacknm.com /  Verbal Maismondbacknm.com / I lietin / Connor	liamondbacknm.con	n/
1	535 OF WILL	and S	(				
2/6/2Relinquished By:	Receiv		REMARKS:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4. 70 Corrected Temp. °C	ion CHECKED BY: (Initials)	Turnaround Time: Standard  Rush Cool Intact	Observ	Bacteria (only) Sample Condition ad Temp. °C		
ived by C	4.15   10 NO NO	82	Thermometer ID #113 Correction Factor-0.5°C ~ (	0.48/2	O No D No	Yes  No Corrected Temp. <sup>1</sup> C	
FORM-006 R 3.2 10/07/21	.2 10/07/21 † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	s. Please email changes to cel	ey.keene@cardinallab	snm.com			

Page 5 of 5



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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: 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 50 @ 2' (H224136-01)

BTEX 8021B

BIEX GOEED	9/	119	Andryzo	u 5 y 1 51 1					
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	Analyze	d 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: Sampling Type: Soil 09/13/2022

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

Project Location: MEWBOURNE - NM

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

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	09/13/2022	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 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	09/13/2022	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	95.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102 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: 09/08/2022 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	Analyze	d 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: Sampling Type: Soil 09/13/2022

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

Project Location: MEWBOURNE - NM

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

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	09/13/2022	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 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	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. 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

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,	/kg	Analyze	ed 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. 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 Sample Received By: Project Number: MOC - 386 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 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	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	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

Applyzod By: 14

Project Location: MEWBOURNE - NM

ma/ka

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

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 09/13/2022 09/13/2022 09/13/2022 09/13/2022 09/13/2022	Method Blank  ND  ND  ND  ND  ND	BS 2.06 2.01 1.97 6.08	% Recovery  103  101  98.5  101	True Value QC 2.00 2.00 2.00	RPD 13.0 13.0 13.2	Qualifier
<0.050 <0.050 <0.150 <0.300	0.050 0.050 0.150	09/13/2022 09/13/2022 09/13/2022	ND ND ND	2.01 1.97	101 98.5	2.00 2.00	13.0	
<0.050 <0.150 <0.300	0.050 0.150	09/13/2022 09/13/2022	ND ND	1.97	98.5	2.00		
<0.150 <0.300	0.150	09/13/2022	ND				13.2	
<0.300		, ,		6.08	101			
	0.300	09/13/2022	ND		101	6.00	13.0	
100			ND					
	% 69.9-14	0						
mg/kg		Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
64.0	16.0	09/13/2022	ND	432	108	400	3.64	
mg,	/kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/12/2022	ND	214	107	200	4.06	
<10.0	10.0	09/12/2022	ND	212	106	200	9.71	
<10.0	10.0	09/12/2022	ND					
85.0	% 45.3-16	1						
00.0	% 46 3-17	8						
	Result 64.0 mg/ Result <10.0 <10.0 <10.0	mg/kg  Result Reporting Limit  64.0 16.0  mg/kg  Result Reporting Limit  <10.0 10.0  <10.0 10.0  <10.0 10.0  <85.0 % 45.3-16	mg/kg       Analyzed         Result       Reporting Limit       Analyzed         64.0       16.0       09/13/2022         mg/kg       Analyzed         Result       Reporting Limit       Analyzed         <10.0	mg/kg       Analyzed Method Blank         Result       Reporting Limit       Analyzed By: CK         Result       Reporting Limit       Analyzed       Method Blank         <10.0	mg/ky       Analyzed By: AC         Result       Reporting Limit       Analyzed       Method Blank       BS         64.0       16.0       09/13/2022       ND       432         mg/ky       Analyzed By: CK         Result       Reporting Limit       Analyzed       Method Blank       BS         <10.0	mg/ky       Analyzed By: AC         Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery         64.0       16.0       09/13/2022       ND       432       108         mg/ky       Analyzed By: CK         Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery         <10.0	mg/ky         Analyzed By: AC           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           64.0         16.0         09/13/2022         ND         432         108         400           mg/ky         Analyzed By: CK           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           <10.0	mg / kg         Analyzed By: AC           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           64.0         16.0         09/13/2022         ND         432         108         400         3.64           mg / kg         Analyzed By: CK           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           <10.0

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### **Notes and Definitions**

QR-04 The RPD for the BS/BSD was outside of historical limits.

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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Page 10 of 10

Company Marine Diamondisact Disposals
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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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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: 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. 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 28 @ 7' (H224286-02)

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	09/18/2022	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	% 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	70.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	78.1	% 46.3-17	78						

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Celeg & 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: Coo

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 30 @ 7' (H224286-03)

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	09/18/2022	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	73.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	82.4	% 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 Tamara Oldaker Project Number: MOC - 386 Sample Received By:

Project Location: MEWBOURNE - NM

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

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	09/18/2022	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 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	62.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	71.2	% 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: 09/19/2022 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: B 32 @ 7' (H224286-05)

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	09/18/2022	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	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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### 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		Analyzed 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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	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 Tamara Oldaker Project Number: MOC - 386 Sample Received By:

Project Location: MEWBOURNE - NM

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

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/19/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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. 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 Sample Received By: Project Number: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

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

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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		Analyzed 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		Analyzed 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 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: 09/15/2022 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		Analyzed 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	Analyzed 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		Analyzed 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	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: 09/15/2022 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 60 @ 2' (H224286-10)

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	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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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

Analyzed By: JH

Project Location: MEWBOURNE - NM

mg/kg

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

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	09/18/2022	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	ed 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	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	63.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	71.5	% 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

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Celey D. Keene

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FORM-006 R 3.2 10/07/21	(Circle One) - Bus - Other:			event shall Cardinal gout of or related to		B37 @ 7'	B36 @ 7'	B35 @ 7'	B34 @ 7'	B32 @ 7'	B31 @ 7'	B30 @ 7'	B28 @ 7'	B27 @ 7'	Sample I.D.		Jason Owsley	NM	Aureus Derringer Frac Pond	MOC-386	2-9996	State:	N County RD	Project Manager: Justin Roberts	Company Name: DiamondBack Disposals	101 East Mar (575) 393-2	aboratories
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ey.keene@car	Turnaround Time: Standa  Rush Cool Into  Thermometer ID #113  Correction Factor -0.5°C	REMARKS:	All Results are emailed. Please provide Email addresserial@diamondbacknm.com / Justin / Connor	bsidiaries,	ng those for negligence and	8:46am								8:30am	TIME		6)										CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of 15

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FORM-006 R 3.2 10/07/21	(Circle One) - Bus - Other:					PLEASE NOTE: Liability and Damages. Cardinal's liability and other's exclusive remedy for any stams are granted season contract or run same amount pand y as series to a remedy for any stams are granted season contract or run same amount pand y as series of use, or loss of profits incumed by client, its subsidiaries, in applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incumed by client, its subsidiaries, in the profit of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.							B61 @ 2'	B60 @ 2'	Sample i.D.		Jason Owsley	MN	Aureus Derringer Frac F	MOC-386	2-9996	State:	County RD	Justin Roberts	Company Name: DiamondBack Disposals	101 East Mark (575) 393-23
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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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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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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:
 09/21/2022
 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 11 @ 0-7' (H224287-02)

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	09/18/2022	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, SM4500CI-B	mg,	/kg	Analyze	ed 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	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	71.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.7	% 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: Sampling Type: Soil 09/21/2022

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

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	09/18/2022	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, SM4500Cl-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						

### 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: 09/15/2022 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

Analyzed By: JH

Project Location: MEWBOURNE - NM

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

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	09/18/2022	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	ed 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	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	69.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	77.5	% 46.3-17	8						

## Cardinal Laboratories \*=Accredited Analyte

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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  $6^{\circ}\text{C}$ 

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

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Celey D. Keene

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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: 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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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: 09/16/2022 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 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 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	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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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: 09/16/2022 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 64 @ 2' (H224306-03)

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	09/19/2022	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, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	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	8						

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Celey D. Keine



09/16/2022

### 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:

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 66 @ 2' (H224306-04)

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	09/19/2022	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	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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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: 09/16/2022 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 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 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	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	76.9	% 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: 09/16/2022 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 67 @ 2' (H224306-06)

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	09/19/2022	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	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						

## Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Fax To: (575) 392-9376

Received: 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 68 @ 2' (H224306-07)

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	09/20/2022	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, 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	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	76.3	% 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: 09/16/2022 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 71 @ 2' (H224306-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ea 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	% 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	128	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	09/19/2022	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	78						

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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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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11

	(0/0) 393-2326 FAX (5/5) 393-2476	2476									語語を選											
Company Name: DiamondBack Disposals	nondBack Disposals										ВІІ	BILL TO				ANALYSIS REQUEST	SIS	SEQ!	JEST			- 1
Project Manager: Justin Roberts	tin Roberts					-			P.O. #:	#					1							- 1
Address: 2525 NW County RD	ounty RD				*				Con	npar	ny: Me	Company: Mewbourne				,		•				
City: Hobbs	State: NM ZIP: 88240							$\perp$	Attn	2	onner	Attn: Conner Walker							:			
Phone #: (575)-392-9996	996								Address:	res	S:											
Project #: Mo	Moc-386							_	City:													
Project Name: Au	Aureus Derringer Frac Pond				1		- 1	$\perp$	State:	9.		Zip:				,						
Project Location: NM								_	Phone #:	ne #	**											
me:	Jason Owsley							_	Fax #:	#			š		1							
FOR LAB USE ONLY			2	П		MATRIX	×	1	-	찞	PRESERV.	SAMPLING					4					
	Sample I.D.	3 OR (C)OMP.	TAINERS	NDWATER	WATER		E															
H224306		(G)RA	# CO	GROL		SOIL	OIL SLUD		OTHE ACID/		OTHE	DATE	TIME	CL	TPH	ВТЕХ						
_	B62 @ 2'	С	1										11:40am	×	×	X					1	- 1
-	B63 @ 2'	С	1		×	^				X	^	9/16/22	11:42am	Х	Х	X						- 1
3 B6	B64 (a) 2'	С	1		×	r	$\vdash$	_		X	ŕ	9/16/22	11:44am	Х	Х	х						- 1
4 B60	B66 (a) 2"	С	1		×	_	_	_		×	^	9/16/22	11:46am	X	X	Х						- 1
\$ B/	B/2 (a) 2	С	1		×	_	-	L		×	^	9/16/22	11:48am	X	X	Х						- 1
6 B6	B6/@2	С	1		×	^		-	-	×	_	9/16/22	12:50pm	X	Х	Х						- 1
7 B67	B68 @ 2	С	1		×	_	$\vdash$	<u> </u>		×	Ŷ	9/16/22	12:52pm	X	Х	Х						- 1
X D//	B/1 @ 2	С	_		×	_	$\vdash$	L	$\vdash$	×	^	9/16/22	12:54pm	X	X	X		1				- 1

Thermometer ID #113
Correction Factor -0.5°C

Yes Yes

Corrected Temp. °C

Time: 

> Cool Intact Standard 7

rved Temp. °C

Bacteria (only) Sample Condition

REMARKS:

 Verbal Result:
 □ Yes
 □ No
 Add'I Phone #:

 All Results are emailed.
 Please provide Email address: JasonO@diamondbacknm.com yesenial@diamondbacknm.com / Justin / Connor



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

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

Applyand By 14

Project Location: MEWBOURNE - NM

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

DTEV 0021D

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, 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	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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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: Sampling Type: Soil 10/10/2022

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 52 @ 7' (H224598-02)

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	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, 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	95.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 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: 10/03/2022 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						

## Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

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

· ,

ma/ka

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

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	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	95.0	% 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	% 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: 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 70 @ 3' (H224598-05)

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	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	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	96.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	116 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: 10/03/2022 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: 1H /

Project Location: MEWBOURNE - NM

ma/ka

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

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	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 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: Sampling Type: Soil 10/10/2022

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	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	103 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	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	92.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 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: 10/03/2022 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 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 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	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	104 9	6 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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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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SLUDGE	### P.O. #:    Company: Mewboo   Attn: Conner Walk   Address:   City:	### P.O. #:    Company: Mewboo   Attn: Conner Walk   Address:   City:	### BILL TO  P.O. #:  Company: Mewbourne  Attn: Conner Walker  Address:  City:  State: Zip:  Phone #:  Fax #:  PRESERV. SAMPLING  PRESERV. SAMPLING  #### DATE  SI HIJD DATE  SI HIJD JULY HIJ JU	### BILL TO  P.O. #:    Company: Mewbourne	BILL TO   P.O. #:   Company: Mewbourne   Attn: Conner Walker   Address:   City:   State:   Zip:   Phone #:   Fax #:   PRESERV.   SAMPLING   EXT   SAMPLING   SAMPLING   EXT   SAMPLING   SAMPLING   EXT   SAMPLING	BILL TO   P.O.#:   Company: Mewbourne   Attn: Conner Walker   Address:   Zip:   Phone #:   Fax #:   PRESERV.   SAMPLING   State:   Zip:   PRESERV.   SAMPLING   EXT   DATE   TIME   CL   TPH   EXT   CL   TPH   EXT   CL   TO 3/22   11:20am   X   X   10/3/22   11:50am   X   X   X   X   X   X   X   X   X	Company: Mewbourne																1	1	<u></u>	>	2	$\pm$	-	hall be limite n, business uch claim	hall te limite n, business uch claim	heal to limite heal to limite the limite with	hall be limited, business uch claim when claim we have been considered by:  By:  By:  Sample Cool
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Page 11 of 11



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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	Result	Reporting Limit	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 9	% 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: 10/03/2022 Sampling Date: 10/03/2022

Reported: Sampling Type: Soil 10/10/2022

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

Project Location: MEWBOURNE - NM

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

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	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	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	125	% 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: 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: 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: 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 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	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 5	45.3-16	1						
Surrogate: 1-Chlorooctadecane	119 9	6 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

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Celeg D. Freene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: DiamondBack Disposals
FountyRD   State: NM   ZIP: 88240   State: NM   ZIP: 88240   Attn: Conner Walker   Address:   City:   State:   Zip:   Zip
State: NIM   ZIP: 88240   Attn: Conner Walker   State: NIM   ZIP: 88240   Attn: Conner Walker   Address:   Zip:   Phone #:   Phone #:   Phone #:   Phone #:   Fax #:   Sample I.D.   O   NIVE   PRESERV.   SAMPLING   Sample I.D.   O   NIVE   PRESERV.   SAMPLING   O   NIVE   PRESERV.   O   NIVE   NIVE   O   N
State: NM   ZIP: 88240   Attn: Conner Walker     96
Sample I.D.   State:   Zip:   Phone #:     Phone #:
C-386   C-386   City:   City:   State: Zip:   Phone #:   Phone #
State: Zip:   Phone #:   Phone
Phone #:   Fax #:
Sample I.D.   MATRIX   PRESERV.   SAMPLING
Sample I.D.   CO   S   S   S   S   S   S   S   S   S
Sample I.D.   CO   OMP.
W14 @ 5-7'   C   1
2       W15 @ 2-7'       c       1       x       x       10/3/22       11:02am       x       x         W16 @ 2-7'       c       1       x       x       10/3/22       11:04am       x       x         W17 @ 0-2'       c       1       x       x       10/3/22       1:50pm       x       x
W16 @ 2-7' C 1
W17 @ 0-2' c 1 x x 10/3/22 1:50pm x x
daily rungly for any claim arising whether based in contract or but shall be implied to the amount said by the effect for the analyses. All claims including those for neutlineance and any office cause whether based in contract unless made in wallow and to the amount said by the effect for the analyses. All claims including those for neutlineance and any office cause whether based in contract or but shall be implied to the amount said by the effect for the analyses.
event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, gout 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.
Pelinquished By:    Date: 3.27   Received By:   Verbal Result:   Yes   No   Add'l Phone #:    All Results are emailed. Please provide Email address: JasonO@diamondbacknm.com /
fime; C22 MINORO MINOR MC yesenial@d
Date: Received By: REMARKS:
One) Observed Temp. °C 2 G Sample Condition S - Other: Corrected Temp. °C 2 G Cool_intact Cool_intact D Yes Tyles

Released to Imaging: 6/5/2023 11:18:47 AM



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

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

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

Accreditation applies to public drinking water matrices.

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

A ..... I ..... . J D. ... 711

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 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	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 9	% 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: 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 Project Number: Sample Received By: MOC - 386 Tamara Oldaker

Project Location: MEWBOURNE - NM

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

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	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, SM4500Cl-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 9	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	121 9	46.3-17	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### **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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Celey D. Keine

							Pag
101	101 East Marland, Hobbs, NM 88240	0					
Company Name: DiamondBack Disposals	Ck Disposals		BILL TO		ANALYSIS	REQUEST	
Project Manager: Justin Roberts	86		P.O. #:				
Address: 2525 NW County RD			Company: Mewbourne				
City: Hobbs	State: NM ZIP: 88240		Attn: Conner Walker				
Phone #: (575)-392-9996	8		Address:				
Project #: MOC-386			City:				
ame:	nger Frac Pond		State: Zip:				
8			Phone #:				
Sampler Name: Jason Owsley	Ye						
OR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	NG .			,
Sal	Sample I.D.	NTAINERS  JNDWATER  TEWATER  DGE	ER: /BASE: COOL ER:		EXT		
1/C4694		- # G V X S	A × 10	1:50pm x	х		+
7-0 % OT M 1		-		1:52pm x	×		
LEASE NOTE: Liability and Damages. Cardinal's liability is applicable service. In no event shall Cardinal be	and client's exclusive remedy for any claim arising whether based e liable for incidental or consequental damages, including to earliest exercises hereated by Cardinal regard to notifermance of services hereated by Cardinal regard.	in contract or tort, shall be limited to the amount without limitation, business interruptions, less of whether such claim is based upon	paid by the client for the analyses. All claims including those for r loss of use, or loss of profits incurred by client, its subsidiaries, any of the above stated reasons or otherwise.	those for negl ubsidiaries,	gence and any other cause whatsoever shall be deeme	d waived unless made in writing and received by Cardinal within 30 days after	after completion of
Relinquished By:	Date: 4-22 F	Received By	ON LAND	Verbal Result: [	☐ Yes ☐ No ailed. Please provide Email a	Verbal Result: ☐ Yes ☐ No	
	Time's SO	Munara	Minus AC	yesenial@diamond	yesenial@diamondbacknm.com/Justin/Collifor		
Relinquished By:	Date:	Received By:		REMARKS:			
	Time:						
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 5, /		ON CHECKED BY:	Turnaround Time: Sta	Standard   Bacteria (only) Sample ( Cool Intact Observed Temp. °C	Condition	
ved by		No No	.1	Thermometer ID #113 Correction Factor -0.5°C	© 95° 13	□ 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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

Applyand By 14

Project Location: MEWBOURNE - NM

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

DTEV 0021D

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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	126	% 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: 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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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: 10/04/2022 Sampling Date: 10/04/2022

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 78 @ 3' (H224625-03)

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	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, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	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						

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)

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 79 @ 3' (H224625-04)

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	2.10	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	96.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	131	% 46.3-17	8						

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Celey & 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: 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	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	32.0	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*	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						

# 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: 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 Project Number: MOC - 386 Sample Received By: Tamara Oldaker

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	% 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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	135	% 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: 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 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 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	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 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	123 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 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	<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: 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 Project Number: MOC - 386 Sample Received By: Tamara Oldaker

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 %	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	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 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	133 %	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	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: 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 Project Number: MOC - 386 Sample Received By: 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 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	117 9	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	126 9	6 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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101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	3-2476	THE RESIDENCE OF THE PARTY AND	4.30 Million (1.00 Million (1.			
Company Name: DiamondBack Disposals		BILL TO			ANALYSIS REG	REQUEST
Project Manager: Justin Roberts		P.O. #:	,	ji.		
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	NG			
Sample I.D.	ERS					
4774.75T	G)RAB OR CONTAINI ROUNDW/ WASTEWAT OIL CLUDGE	OTHER: CID/BASE: CE / COOL OTHER:	TIME	EXT	RTEX	
/ B76 @ 2'	1 x	x 10	9:00am x	X	Х	
2 B77 @ 2'	c 1 x	x 10/4/22	9:02am x	Х	Х	
3 B78 @ 3'	1	x 10/4/22	1:10pm x	X	X	
4 B79 @ 3'	c 1 x	x 10/4/22	1:12pm x	×	×	
S B80 @ 3'	c 1 x	x 10/4/22	1:14pm x	X	×	
6 B81 @ 2'	c 1 x	x 10/4/22	1:16pm x	×	×	
7 B82 @ 3'	c 1 x	x 10/4/22	1:18pm x	X	×	
8 B83 @ 2'	c 1 x	x 10/4/22	11:50am x	X	X	
9 B84 @ 2'	c 1 x	x 10/4/22	11:52am x	×	X	
/0 B85 (	c 1 x	x 10/4/22		X	X	
LASE NOTE: Liability and Damages. Cardina's lability and clerif's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for any claim arising whether based in contract or tort, shall be limited to the arising and to a liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries are 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.	based in contract or tort, shall be limited to the amount ludding without limitation, business interruptions, regardless of whether such claim is based upon	paid by the client for the analysec. All claims includi loss of use, or loss of profits incurred by client, its any of the above stated reasons or otherwise.	ding those for negligence and any is subsidiaries,	other cause whats	pever shall be deemed walved u	ig those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and recuived by Cardinal within 30 days after completion of subsidiaries,
Relinquished By: Date: 77	Received By:	1000	Verbal Result: □	Yes   No	Add	Verbal Result: ☐ Yes ☐ No
	Delington .	Challes of the Control of the Contro	All Results are emailed. Please provide Email add yesenial@diamondbacknm.com / Justin / Connor	led. Please p lacknm.com /	Justin / Connor	: JasonO@diamondbacknm.com /
elinquished By:	Received By:		REMARKS:			
Time:						
impler - UPS - Bus - Other:  Corrected Temp. °C  Corrected Temp. °C	Sample Condition  Cool Intact  Fres   Yes   Yes	Ω Ω	Turnaround Time: Standard Rush Cool Intact	Observ	Bacteria (only) Sample Condition ed Temp. °C	
eived b	No	,	Thermometer ID #113 Correction Factor -0.5°C	n		□ Yes □ Yes □ No □ No □ Corrected Temp. *C
FORM-006 R 3.2 10/07/21	nnot accept verbal changes	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	ley.keene@cardinall	labsnm.con	-	

Page 14 of 15

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	)1 East Mariand, Hobbs, NW 66240 (575) 393-2326 FAX (575) 393-2476			
Company Name: DiamondBack Disposals		BILL TO	ANALYSIS	REQUEST
Project Manager: Justin Roberts	e e e e e e e e e e e e e e e e e e e	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:		
ame:	id .	State: Zip:		
ä		Phone #:		
Sampler Name: Jason Owsley		Fax #:		
_	MATRIX	PRESERV. SAMPLING	G	
	RS TER			
Sample I.D.	(G)RAB OR (C)G # CONTAINERS GROUNDWATE WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TIME CL TPH BTEX	
' // B55 @ 2'	c 1 x	x 10/4/22	12:00pm x x x	
				within 30 days affect
Y: EASE ROTE: Liability and Damages. Cardwish liability and clerifs exclusive remedy for any Julian arising whether based in contract or furt, shall be limaded the amount paid by the clerif on the analyses. All claims in a policiable sextice. In no event shall Cardinal be liable for incidental or conceptuated damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by plants. In the contract of the shall be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by plants. In contract, the contract of the shall be shall be included by the clerification of the shall be contracted by the clerification of	y for any claim anising whether based in contract or tort, shall be limited to the amou onsequental damages, including without limitation, business interruption as hereunder by Cardinal, regardless of whether such claim is based up	urt paid by the client for the analyses. All claims including those for negug ns, loss of use, or loss of profits incurred by client, its subsidiaries, on any of the above stated reasons or otherwise.	eg.ig	ence and any differ cause with scores stall be desired waited utilises about a manual and contract of viscous and any other cause with the contract of the con
Relinguished By:	Date: 4-22 Received By:	MIN ALM	Verbal Result:	ult: ☐ Yes ☐ No ☐ Add'l Phone #: are emailed. Please provide Email address: JasonO@diamondbacknm.com / Jiamondbacknm.com / Justin / Connor
Celinquished By:	Date: Received By:		REMARKS:	
77	Observed Temp. °C 5/1 Sample Condition Corrected Temp. °C 4/5 Cool Infact  Cool Inf	tion CHECKED BY: (Initials)	Turnaround Time: Standard A Bacteria (only) Sample Condition Rush Cool Infact Observed Temp. "C	Condition
eived-by	No   C	8	Thermometer ID #113 Correction Factor -0.55C	□ Yes □ Yes □ No Corrected Temp. *C
FORM-006 R 3.2 10/07/21	† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	s. Please email changes to cel	ey.keene@cardinallabsnm.com	

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

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

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

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 182900

# **CONDITIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	182900
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2213659921 AUREUS – DERRINGER RECYCLE POND, thank you. This closure is approved.	6/5/2023