

| | |
|----------------|----------------|
| 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 District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 2/6/2023

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Jocelyn Harimon Date: 02/06/2023

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

Closure Approved by: Robert Hamlet Date: 6/5/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



MEWBOURNE
OIL COMPANY

Aureus - Derringer Recycle Pond
NAPP2213659921

Final Remediation Report



2525 NW County Rd

Hobbs, NM 88240
[\(575\) 392-9996](tel:5753929996)

Introduction

This report represents the results of remediation activities at the 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 ½ mile radius of the release site. Point of Diversion C 04018 POD1 was identified and found to have a depth of 179ft to groundwater. Table 1 NMAC 19.15.29.12 closure criteria for groundwater less than 50ft (See Table Below) will be utilized per Mewbourne's request.

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

Remediation Activities

Between the dates of August 23rd, 2022 and October 4rd, 2022 Diamondback excavated approximately 3940 cubic yards (cy) of impacted material, loaded and transported it to R-360 Halfway Facility for disposal. Depth of excavation ranges from 1-foot BGS to 7-feet BGS. Between the dates of August 22nd, 2022 and October 4th, 2022 the site was sampled to determine the RRAL's had been met. Five-point composite samples were collected, every 200 square feet of side wall and 200 square feet of floor area, packaged and delivered to a third-party lab, with chain of custody for testing as per regulatory standards. (See attached analytical). Upon review of analytical, all wall samples proved to be below table 1 RRAL's for site closure. At locations where floor soil sample results exceeded allowed levels of Chloride these areas were over excavated and resampled. Being that Table 1 Closure Criteria for groundwater 50' BGS, all restoration and reclamation limits have been met.

On November 10th, 2022 backfilling began and ran through November 13th. Approximately 3324 cy of material was obtained from a local source. Backfill was placed in a manner that will promote compaction, prevent storm water run-off and erosion and allow for vegetation to grow. The affected area will be reseeded during an optimal time conducive to growth, with an approved BLM seed mix.

Conclusion

Upon review of all analytical data provided by the third-party independent lab, results indicated that all recommended remediation action levels and restoration/reclamation criteria were met for all excavated areas. On behalf of Mewbourne Oil Company, we respectfully request the NMOCD grant closure approval for the Derringer Recycle Pond NAPP2213659921

| | | | | | | | | | | | | | | |
|------------|-------------|----|------------|------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|
| B-49 FLOOR | H2241114-19 | 2' | 9-07-2022 | COMP | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 54.5 | <10.0 | 54.5 | 400 |
| B-50 FLOOR | H2241330-02 | 2' | 10-03-2022 | COMP | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 15.3 |
| 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 | <10.0 | 15.3 |
| 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-71 FLOOR | 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 |

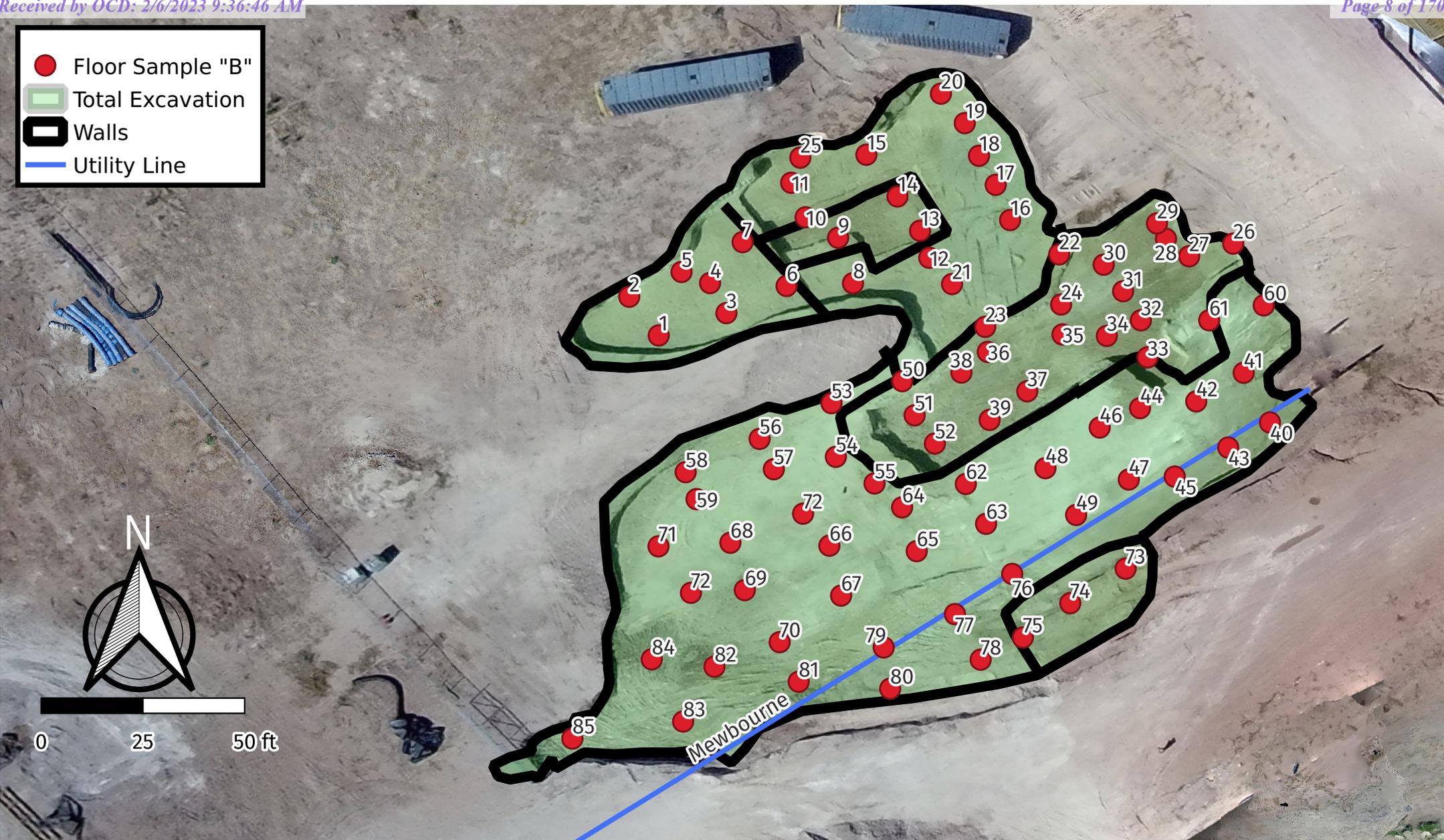
-  Wall Deliniation
-  Wall Label "W"
-  Walls
-  Total Excavation
-  Utility Line



Wall Deliniation Map
 NAPP 2213659921
 Mewbourne Oil Co.
 Eddy County, New Mexico



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



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 |
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| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.575240 _____ Longitude -104.113515 _____
(NAD 83 in decimal degrees to 5 decimal places)

| | | | |
|-------------------------|---------------------------------|----------------------|----------------|
| Site Name | Aureus – Derringer Recycle Pond | Site Type | Pipeline |
| Date Release Discovered | 5/2/2022 | API# (if applicable) | nAPP2213659921 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| G | 18 | 20S | 29E | Eddy |

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

Nature and Volume of Release

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

| | | |
|--|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 219 | Volume Recovered (bbls) 80 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

A discharge line downstream of the charge pump came apart.

State of New Mexico
Oil Conservation Division

Page 2

| | |
|----------------|----------------|
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| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls. |
|---|---|

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
 Notice was given by 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

| |
|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |
|--|

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

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

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

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 5/9/2022

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Jocelyn Harimon Date: 05/17/2022

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

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

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

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

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

CONDITIONS

Action 107305

CONDITIONS

| | |
|---|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: 14744 |
| | Action Number: 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 |

| | |
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Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

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Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 2/6/2023

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Jocelyn Harimon Date: 02/06/2023

State of New Mexico
Oil Conservation Division

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

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Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 2/6/2023

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Jocelyn Harimon Date: 02/06/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Justin Roberts diamondback2491@yahoo.com
Subject: NAPP2213659921
Date: October 12, 2022 at 7:32 AM
To: ocd.enviro@emnr.d.nm.gov
Cc: Jason Owsley jasono@diamondbacknm.com, Connor Walker cwalker@mewbourne.com



Good Morning

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

Have a Good Day!

Justin Roberts

Diamondback Disposal Services, Inc.

575-392-9996 - Office

575-631-9586 - Cell



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | | | |
|-----------------|-------------------|------------------------------------|------------|-----------|------------|------------|-----------------------|----------|----------|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | | | | |
| | | (quarters are smallest to largest) | | | | | (NAD83 UTM in meters) | | |
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
| CP 01201 | POD1 | 2 | 2 | 1 | 18 | 20S | 29E | 582983 | 3605121 |

| | | |
|---|---|---------------------------------|
| Driller License: 1348 | Driller Company: TAYLOR WATER WELL SERVICE | |
| Driller Name: TAYLOR, CLINTON E. | | |
| Drill Start Date: 10/24/2013 | Drill Finish Date: 10/24/2013 | Plug Date: |
| Log File Date: 11/08/2013 | PCW Rcv Date: | Source: Shallow |
| Pump Type: | Pipe Discharge Size: | Estimated Yield: 100 GPM |
| Casing Size: 6.00 | Depth Well: 140 feet | Depth 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

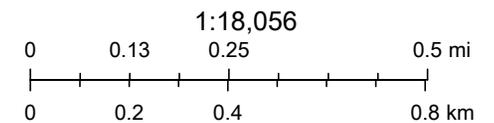


11/15/2022, 7:35:07 AM

GIS WATERS PODs

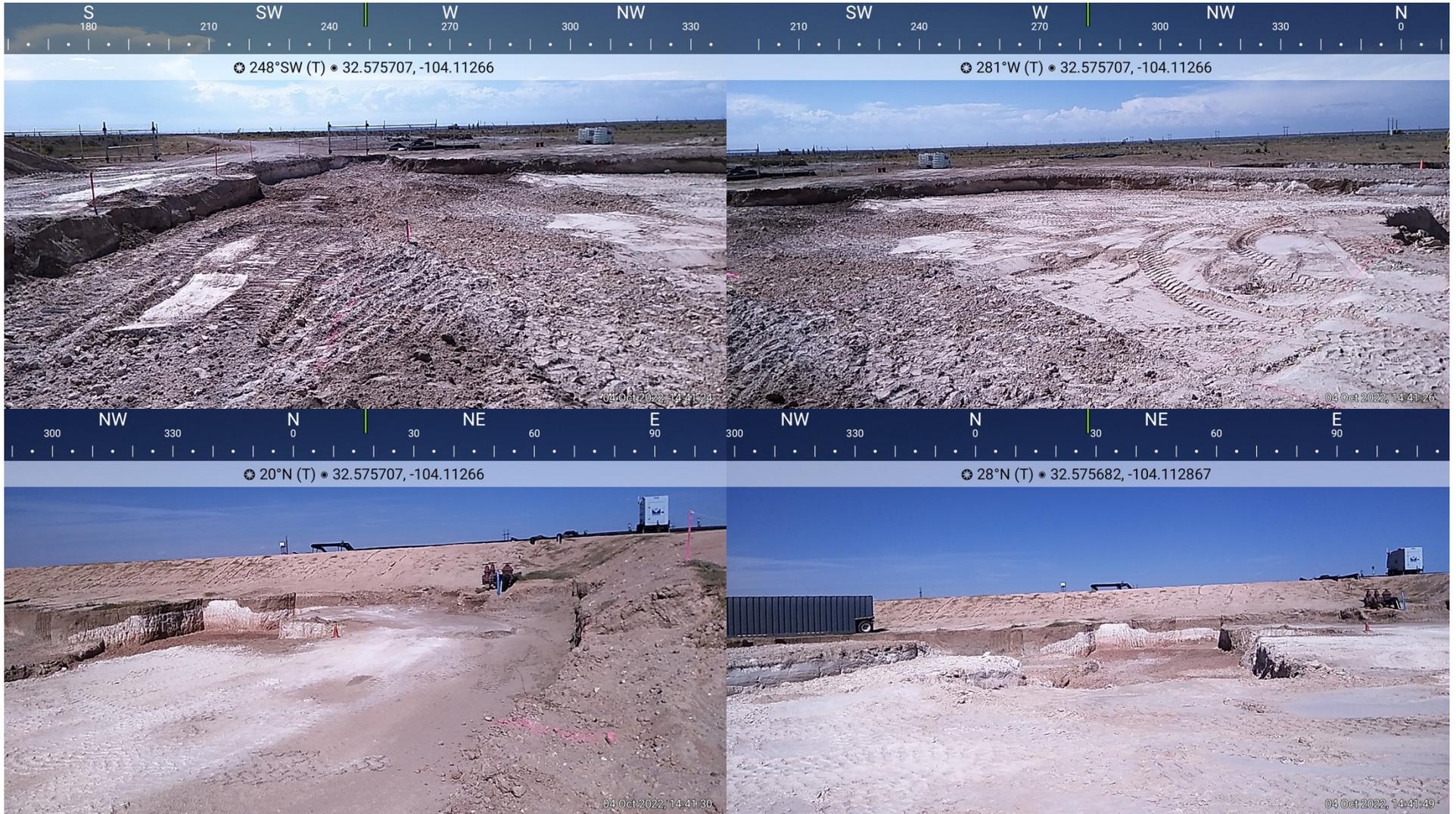
- Pending
- Active
- OSE District Boundary

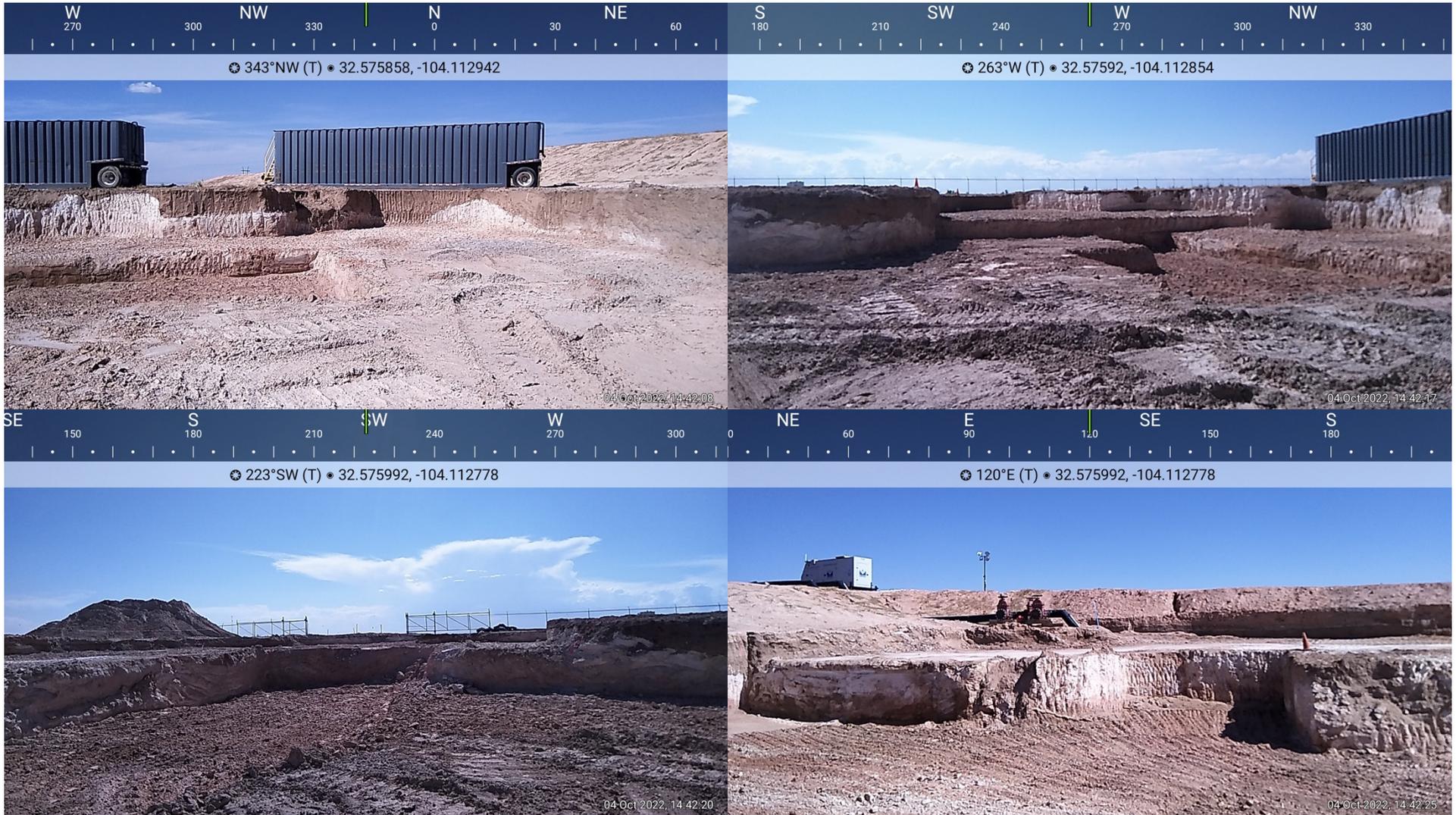
Site Boundaries



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.







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

August 24, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/22/2022 | Sampling Date: | 08/22/2022 |
| Reported: | 08/24/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MEWBOURNE OIL COMPANY | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.6 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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: B2 @ 3' (H223839-02)

| 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 | 08/23/2022 | ND | 2.05 | 103 | 2.00 | 1.35 | |
| Toluene* | <0.050 | 0.050 | 08/23/2022 | ND | 2.03 | 102 | 2.00 | 1.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.95 | 97.7 | 2.00 | 2.16 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2022 | ND | 6.10 | 102 | 6.00 | 2.71 | |
| Total BTEX | <0.300 | 0.300 | 08/23/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-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 | | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.4 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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: B3 @ 3' (H223839-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 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 85.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.8 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | 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 % 69.9-140

| Chloride, SM4500Cl-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 | | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/22/2022 | Sampling Date: | 08/22/2022 |
| Reported: | 08/24/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MEWBOURNE OIL COMPANY | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | 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) 111 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 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 79.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 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 81.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.6 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 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 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

August 24, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------|---------------------|----------------|
| Received: | 08/22/2022 | Sampling Date: | 08/22/2022 |
| Reported: | 08/24/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------|---------------------|----------------|
| Received: | 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: W2 @ 0-3' (H223840-02)

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-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 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.5 % 46.3-178

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------|---------------------|----------------|
| Received: | 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: W3 @ 3-5' (H223840-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.3 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals
 Project Manager: Justin Roberts
 Address: 2525 NW County RD
 City: Hobbs State: NM ZIP: 88240
 Phone #: (575)-392-9996
 Project #: MOC-386
 Project Name: AUREUS-Derringer
 Project Location: NM
 Sampler Name: Jason Owsley
 Lab I.D.:

P.O. #: _____
 Company: Mewbourne
 Attn: Connor Walker
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

| Sample I.D. | W1 @ 0-3' | W2 @ 0-3' | W3 @ 3-5' | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|-----------|-----------|-----------|-------------------|--------------|-------------|------------|------|-----|--------|-----------------------|---------|---------|----|---------|------|
| | | | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : ACID/BASE: | | | | | |
| H223840 | 1 | 2 | 3 | C | 1 | X | X | X | | | | 8/22/22 | 12:30pm | X | X | X |
| | | | | C | 1 | X | X | X | | | | 8/22/22 | 12:32pm | X | X | X |
| | | | | C | 1 | X | | | | | | 8/22/22 | 3:00pm | X | X | X |

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Delivered By: (Circle One)
 Sample - UPS - Bus - Other:
 Date: 8-22-22
 Time: 10:19
 Received By: [Signature]
 Date: _____
 Time: _____

Observed Temp. °C: 0.32
 Corrected Temp. °C: -0.73
 Sample Condition: Cool Intact Yes No
 CHECKED BY: (Initials) V.P.
 Turnaround Time: Standard Bacteria (only) Sample Condition
 Thermometer ID #113
 Correction Factor -0.8°C
 Add'l Phone #: _____
 Corrected Temp. °C: _____



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

September 07, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 09/06/2022 | 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.7 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

Sample ID: 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 09/06/2022 | 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 09/06/2022 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.0 % 46.3-178

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.07 | 103 | 2.00 | 10.8 | |
| Toluene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.05 | 102 | 2.00 | 9.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.00 | 100 | 2.00 | 11.3 | |
| Total Xylenes* | <0.150 | 0.150 | 09/03/2022 | ND | 6.23 | 104 | 6.00 | 9.83 | |
| Total BTEX | <0.300 | 0.300 | 09/03/2022 | ND | | | | | |

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

| 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 | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.9 % 46.3-178

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| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 09/06/2022 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| 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 | 09/03/2022 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 09/06/2022 | 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.7 % 46.3-178

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 Fax To: (575) 392-9376

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| 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 | 09/03/2022 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 09/06/2022 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.4 % 46.3-178

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| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

Sample ID: 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.5 % 46.3-178

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| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | 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) 110 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.1 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| 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 | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.05 | 103 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.03 | 101 | 2.00 | 11.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/03/2022 | ND | 1.97 | 98.5 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/03/2022 | ND | 6.14 | 102 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 09/03/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.2 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/01/2022 | Sampling Date: | 09/01/2022 |
| Reported: | 09/07/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC-386 | Sample Received By: | Tamara Oldaker |
| Project Location: | NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed 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 | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 130 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals
 Project Manager: Justin Roberts
 Address: 2525 NW County RD
 City: Hobbs State: NM ZIP: 88240
 Phone #: (575)-392-9996
 Project #: MOC-386
 Project Name: Aureus Derringer Frac Pond
 Project Location: NM
 Sampler Name: Jason Owsley
 Lab I.D. Sample I.D.

P.O. #: _____ Company: Mewbourne
 Attn: Conner Walker
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | PRESERV. | SAMPLING | DATE | TIME | CL | EXT | TPH | BTEX |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|----------|----------|---------|------|----|-----|-----|------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | | | | | | | | |
| H024034 | B8 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:00am | X | X | X | | |
| | B9 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:02am | X | X | X | | |
| | B11 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:04am | X | X | X | | |
| | B12 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:06am | X | X | X | | |
| | B13 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:08am | X | X | X | | |
| | B16 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:10am | X | X | X | | |
| | B17 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:12am | X | X | X | | |
| | B18 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:14am | X | X | X | | |
| | B19 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:16am | X | X | X | | |
| | B20 @ 5' | C | 1 | X | | | | | | 9/1/22 | 11:18am | X | X | X | | |

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Relinquished By: _____ Date: 9-1-22
 Received By: *Jason Owsley* Date: 9-1-22
 Time: 1:55
 Observed Temp. °C: 1.9
 Corrected Temp. °C: 1.3

Turnaround Time: Standard Rush
 Thermometer ID #113
 Correction Factor -0.5°C
 Bacteria (only) Sample Condition: Observed Temp. °C: _____
 Add'l Phone #: _____
 Verbal Result: Yes No
 All Results are emailed. Please provide Email address: Jason.Owsley.DB@gmail.com / yess1_diamond@yahoo.com / Justin / Connor



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals

Project Manager: Justin Roberts

Address: 2525 NW County RD State: NM ZIP: 88240

City: Hobbs

Phone #: (575)-392-9996

Project #: MOC-368

Project Name: Aureus Derringer Frac Pond

Project Location: NM

Sampler Name: Jason Owsley

FOR LAB USE ONLY

Lab I.D. Sample I.D.

P.O. #: Company: Mewbourne
 Attn: Conner Walker
 Address: City: State: Zip: Phone #: Fax #:

| Sample I.D. | B21 @ 5' | B22 @ 5' | B23 @ 5' | B24 @ 5' | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|----------|----------|----------|----------|-------------------|--------------|-------------|------------|------|-----|--------|-----------------------|--------|------|----|------------|------|
| | | | | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : ACID/BASE: | | | | | |
| H04031 | | | | | C | 1 | X | X | X | X | X | 9/1/22 | 1:15pm | X | X | X | |
| 11 | | | | | C | 1 | X | X | X | X | X | 9/1/22 | 1:17pm | X | X | X | |
| 13 | | | | | C | 1 | X | X | X | X | X | 9/1/22 | 1:19pm | X | X | X | |
| 14 | | | | | C | 1 | X | X | X | X | X | 9/1/22 | 1:21pm | X | X | X | |

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Relinquished By: [Signature] Date: 9-1-22 Received By: [Signature] Date: 9-1-22

Time: 1:52

Observed Temp. °C: 1.9 Corrected Temp. °C: 1.3

Sample Condition: Cool / Intact Yes No

Checked By: [Signature]

Turnaround Time: Rush Standard Bacteria (only) Sample Condition

Thermometer ID #113 Correction Factor -0.5°C

Verbal Result: Yes No Add'l Phone #:

REMARKS: All Results are emailed. Please provide Email address: Jason0@diamondbacknm.com / yesi_diamond@yahoo.com / Justin / Connor



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

September 13, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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: B10 @ 7' (H224114-01)

| 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 | 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 % 69.9-140

| 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 | 09/12/2022 | ND | 400 | 100 | 400 | 3.92 | |

| 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 | 09/10/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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: B14 @ 7' (H224114-02)

| 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 | 09/12/2022 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 3.92 | |

| 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 | 09/10/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.08 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.0 % 46.3-178

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 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: B25 @ 5' (H224114-04)

| 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 | 09/10/2022 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.2 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/07/2022 | Sampling Date: | 09/07/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.08 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.2 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/07/2022 | Sampling Date: | 09/07/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.08 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 69.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.1 % 46.3-178

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Analytical Results For:

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 JUSTIN ROBERTS
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 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 | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.08 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/07/2022 | Sampling Date: | 09/07/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.08 | 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 % 69.9-140

| 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 | 09/12/2022 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.7 % 46.3-178

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 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 | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.08 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.3 % 46.3-178

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Analytical Results For:

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 JUSTIN ROBERTS
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 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: B42 @ 2' (H224114-10)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.7 % 46.3-178

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 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 | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.08 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.8 % 46.3-178

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 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 | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.08 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.9 % 46.3-178

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| | | | |
|-------------------|------------------------------|---------------------|----------------|
| 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: B45 @ 2' (H224114-13)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.1 % 46.3-178

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 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 | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.09 | 104 | 2.00 | 1.93 | |
| Toluene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.03 | 102 | 2.00 | 1.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.00 | 100 | 2.00 | 2.29 | |
| Total Xylenes* | <0.150 | 0.150 | 09/10/2022 | ND | 6.17 | 103 | 6.00 | 2.31 | |
| Total BTEX | <0.300 | 0.300 | 09/10/2022 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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: B41 @ 2' (H224114-15)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.09 | 104 | 2.00 | 1.93 | |
| Toluene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.03 | 102 | 2.00 | 1.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.00 | 100 | 2.00 | 2.29 | |
| Total Xylenes* | <0.150 | 0.150 | 09/10/2022 | ND | 6.17 | 103 | 6.00 | 2.31 | |
| Total BTEX | <0.300 | 0.300 | 09/10/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 384 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.09 | 104 | 2.00 | 1.93 | |
| Toluene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.03 | 102 | 2.00 | 1.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.00 | 100 | 2.00 | 2.29 | |
| Total Xylenes* | <0.150 | 0.150 | 09/10/2022 | ND | 6.17 | 103 | 6.00 | 2.31 | |
| Total BTEX | <0.300 | 0.300 | 09/10/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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: B47 @ 2' (H224114-17)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.9 % 46.3-178

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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: B48 @ 2' (H224114-18)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.6 % 46.3-178

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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: B49 @ 2' (H224114-19)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.09 | 104 | 2.00 | 1.93 | |
| Toluene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.03 | 102 | 2.00 | 1.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/10/2022 | ND | 2.00 | 100 | 2.00 | 2.29 | |
| Total Xylenes* | <0.150 | 0.150 | 09/10/2022 | ND | 6.17 | 103 | 6.00 | 2.31 | |
| Total BTEX | <0.300 | 0.300 | 09/10/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | 54.5 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

| | | | |
|-------------------------------------|--------------|---------------------|------------------------------|
| Company Name: DiamondBack Disposals | | P.O. #: | |
| Project Manager: Justin Roberts | | Company: Mewbourne | |
| Address: 2525 NW County RD | | Attn: Conner Walker | |
| City: Hobbs | State: NM | ZIP: 88240 | Address: |
| Phone #: (575)-392-9996 | City: | State: | Zip: |
| Project #: | MOC-386 | Project Name: | Aureus - Derringer Frac Pond |
| Project Location: | NM | Phone #: | |
| Sampler Name: | Jason Owsley | Fax #: | |
| Lab I.D. | Sample I.D. | FOR LAB USE ONLY | |

| Sample I.D. | BIO @ 7' | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | | | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|----------|-------------------|--------------|-------------|------------|------|-----|--------|--------------------|------------|---------|----------|--------|---------|----|---------|------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : ACID/BASE: | ICE / COOL | OTHER : | SAMPLING | | | | | |
| H224114 | B10 @ 7' | C | 1 | X | | | | | | | | | 9/7/22 | 11:30am | X | | |
| | B14 @ 7' | C | 1 | X | | | | | | | | | 9/7/22 | 11:32am | X | | |
| | B15 @ 7' | C | 1 | X | | | | | | | | | 9/7/22 | 11:34am | X | | |
| | B25 @ 5' | C | 1 | X | | | | | | | | | 9/7/22 | 11:36am | X | | |
| | B26 @ 7' | C | 1 | X | | | | | | | | | 9/7/22 | 12:20pm | X | | |
| | B29 @ 7' | C | 1 | X | | | | | | | | | 9/7/22 | 12:22pm | X | | |
| | B33 @ 7' | C | 1 | X | | | | | | | | | 9/7/22 | 12:48pm | X | | |
| | B38 @ 5' | C | 1 | X | | | | | | | | | 9/7/22 | 1:00pm | X | | |
| | B39 @ 5' | C | 1 | X | | | | | | | | | 9/7/22 | 1:02pm | X | | |

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| | | | |
|--|--|--|--|
| Relinquished By: | Date: 9-7-22 | Received By: | Date: 9-7-22 |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C Corrected Temp. °C | Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Checked By: (Initials) TPO |
| Thermometer ID #113 Correction Factor -0.5°C | Turnaround Time: Rush <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C | Bacteria (only) Sample Condition Yes <input type="checkbox"/> No <input type="checkbox"/> |

Verbal Result: Yes No
 Add'l Phone #: _____
 All Results are emailed. Please provide Email address: JasonO@diamondbacknm.com / yeesi_diamond@yahoo.com / Justin / Connor



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposal

BILL TO

ANALYSIS REQUEST

Project Manager: Justin Roberts
 Address: 2525 NW County RD
 City: Hobbs State: NM ZIP: 88240
 Phone #: (575)-392-9996
 Project #: MOC-386
 Project Name: Aureus - Derringer Frac Pond
 Project Location: NM
 Sampler Name: Jason Owsley
 Lab I.D.:

P.O. #: _____
 Company: Mewbourne
 Attn: Conner Walker
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

| Sample I.D. | Date | Time | CL | EXT | TPH | BTEX | MATRIX | | | | | | DATE | TIME | CL | EXT | TPH | BTEX | |
|-------------|--------|--------|----|-----|-----|------|-------------------|--------------|-------------|------------|------|-----|------|--------|--------|-----|-----|------|--------|
| | | | | | | | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | | | | | | | SLUDGE |
| H224114 | 9/7/22 | 2:40pm | X | X | X | X | | | | | | | | 9/7/22 | 2:40pm | X | X | X | X |
| B42 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | 2:42pm | X | X | X | X |
| B43 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | 2:44pm | X | X | X | X |
| B44 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | 2:46pm | X | X | X | X |
| B45 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | 3:00pm | X | X | X | X |
| B40 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | 3:02pm | X | X | X | X |
| B41 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | 3:14pm | X | X | X | X |
| B46 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | 3:16pm | X | X | X | X |
| B47 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | 3:18pm | X | X | X | X |
| B48 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | 3:20pm | X | X | X | X |
| B49 @ 2' | | | X | X | X | X | | | | | | | | 9/7/22 | | X | X | X | X |

RELEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether caused in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: _____ Date: 9-7-22
 Received By: Jason Owsley
 Date: 9/25/22
 Time: _____
 Observed Temp. °C: 3.2
 Corrected Temp. °C: 2.7
 Sample Condition: Cool Intact Yes No
 CHECKED BY: (Initials) J.O.
 Verbal Result: Yes No
 Add'l Phone #: _____
 All Results are emailed. Please provide Email address: jasono@diamondbacknm.com / yessi_diamond@yahoo.com / Justin / Connor
 REMARKS: _____
 Turnaround Time: Standard Rush
 Thermometer ID #113
 Correction Factor -0.2°C
 Bacteria (only) Sample Condition: Standard Observed Temp. °C
 Yes No Yes No
 Corrected Temp. °C



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

September 14, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.9 % 46.3-178

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, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 09/10/2022 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.0 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| 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 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | ND | 222 | 111 | 200 | 0.0771 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2022 | ND | 225 | 112 | 200 | 8.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.4 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 09/10/2022 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 09/12/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/10/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.5 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

| | | | |
|-------------------------------------|----------------------------|---------------------|----------|
| Company Name: DiamondBack Disposals | | P.O. #: | |
| Project Manager: Justin Roberts | | Company: Mewbourne | |
| Address: 2525 NW County RD | | Attn: Connor Walker | |
| City: Hobbs | State: NM | ZIP: 88240 | Address: |
| Phone #: (575)-392-9996 | City: | State: | Zip: |
| Project #: | MOC-386 | Phone #: | Fax #: |
| Project Name: | Aureus Derringer Frac Pond | Project Location: | NM |
| Sampler Name: | Jason Owsley | FOR LAB USE ONLY | |
| Lab I.D. | | | |

| Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | PRESERV. | SAMPLING | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|-------------------|--------------|-------------|------------|------|-----|--------|----------|----------|--------|------|----|------------|------|
| | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | | | | | | | |
| 1 | | 1 | X | | | | | | 9/7/22 | 1:50pm | X | | X | |
| 2 | | 1 | X | | | | | | 9/7/22 | 1:52pm | X | | X | |
| 3 | | 1 | X | | | | | | 9/7/22 | 1:54pm | X | | X | |
| 4 | | 1 | X | | | | | | 9/7/22 | 1:56pm | X | | X | |

| | | | |
|------------------|--------------|--------------|---------------|
| Relinquished By: | Date: 9-7-22 | Received By: | Date: 9-25-22 |
| Relinquished By: | | Received By: | |

| | | | | | | | |
|--|---|--|---------------------------|---|---|---|--------------------|
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C Corrected Temp. °C | Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | CHECKED BY: (Initials) | Thermometer ID #113 Correction Factor -0.4°C | Standard Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C | Bacteria (only) Sample Condition <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Corrected Temp. °C |
|--|---|--|---------------------------|---|---|---|--------------------|

REMARKS: All Results are emailed. Please provide Email address: jasono@diamondbacknm.com / yessi_diamond@yahoo.com / Justin / Connor

Verbal Result: Yes No

Add'l Phone #:

FORM-006 R 3.2 10/07/21 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

September 14, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|------------------|
| Received: | 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 |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed By: CK | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/12/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.6 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|------------------|
| Received: | 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 |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 09/13/2022 | ND | 2.06 | 103 | 2.00 | 13.0 | |
| Toluene* | 0.393 | 0.050 | 09/13/2022 | ND | 2.01 | 101 | 2.00 | 13.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/13/2022 | ND | 1.97 | 98.5 | 2.00 | 13.2 | |
| Total Xylenes* | <0.150 | 0.150 | 09/13/2022 | ND | 6.08 | 101 | 6.00 | 13.0 | |
| Total BTEX | 0.393 | 0.300 | 09/13/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/13/2022 | 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 | 09/12/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 46.3-178

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*=Accredited Analyte

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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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

| | | | |
|-------------------------------------|--------------|---------------------|------------------------------|
| Company Name: DiamondBack Disposals | | P.O. #: | |
| Project Manager: Justin Roberts | | Company: Mewbourne | |
| Address: 2525 NW County RD | | Attn: Connor Walker | |
| City: Hobbs | State: NM | ZIP: 88240 | Address: |
| Phone #: (575)-392-9996 | City: | State: | Zip: |
| Project #: | MOC-386 | Project Name: | Aureus - Derringer Frac Pond |
| Project Location: | NM | Project Location: | NM |
| Sampler Name: | Jason Owsley | FOR LAB USE ONLY | |
| Lab I.D. | | Sample I.D. | |

| Sample I.D. | W8 @ 0-2' | W9 @ 0-5' | C | I | C | I | MATRIX | | | | | | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|-----------|-----------|---|---|---|---|-------------|------------|------|-----|--------|---------|------|------|----|---------|------|
| | | | | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | |
| HA24135 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| | | | |
|--|--|--|------------------------------|
| Relinquished By: | Date: 9/5/22 | Received By: | Date: 9/8/22 |
| Relinquished By: | Time: 1535 | Received By: | Time: 11:45 |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C Corrected Temp. °C | Sample Condition Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Checked By: (Initials) SR |
| Thermometer ID #113 Correction Factor -0.6°C | Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> | Standard <input checked="" type="checkbox"/> Basis (only Sample Condition) | Remarks: SR 8/8/22 |



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

September 13, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|------------------|
| Received: | 09/08/2022 | Sampling Date: | 09/08/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 09/13/2022 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/12/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.8 % 46.3-178

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|------------------|
| Received: | 09/08/2022 | Sampling Date: | 09/08/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 09/13/2022 | ND | 2.06 | 103 | 2.00 | 13.0 | | |
| Toluene* | <0.050 | 0.050 | 09/13/2022 | ND | 2.01 | 101 | 2.00 | 13.0 | | |
| Ethylbenzene* | <0.050 | 0.050 | 09/13/2022 | ND | 1.97 | 98.5 | 2.00 | 13.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 09/13/2022 | ND | 6.08 | 101 | 6.00 | 13.0 | | |
| Total BTEX | <0.300 | 0.300 | 09/13/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 09/13/2022 | 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 | 09/12/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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

| | | | |
|-------------------|------------------------------|---------------------|------------------|
| Received: | 09/08/2022 | Sampling Date: | 09/08/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 240 | 16.0 | 09/13/2022 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 09/12/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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

| | | | |
|-------------------|------------------------------|---------------------|------------------|
| Received: | 09/08/2022 | Sampling Date: | 09/08/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 09/13/2022 | ND | 2.06 | 103 | 2.00 | 13.0 | |
| Toluene* | <0.050 | 0.050 | 09/13/2022 | ND | 2.01 | 101 | 2.00 | 13.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/13/2022 | ND | 1.97 | 98.5 | 2.00 | 13.2 | |
| Total Xylenes* | <0.150 | 0.150 | 09/13/2022 | ND | 6.08 | 101 | 6.00 | 13.0 | |
| Total BTEX | <0.300 | 0.300 | 09/13/2022 | ND | | | | | |

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

| 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 | 09/13/2022 | 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 | 09/12/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.5 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|------------------|
| Received: | 09/08/2022 | Sampling Date: | 09/08/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 09/13/2022 | 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 | 09/12/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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| | | | |
|-------------------|------------------------------|---------------------|------------------|
| Received: | 09/08/2022 | Sampling Date: | 09/08/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 09/13/2022 | ND | 2.06 | 103 | 2.00 | 13.0 | | |
| Toluene* | <0.050 | 0.050 | 09/13/2022 | ND | 2.01 | 101 | 2.00 | 13.0 | | |
| Ethylbenzene* | <0.050 | 0.050 | 09/13/2022 | ND | 1.97 | 98.5 | 2.00 | 13.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 09/13/2022 | ND | 6.08 | 101 | 6.00 | 13.0 | | |
| Total BTEX | <0.300 | 0.300 | 09/13/2022 | ND | | | | | | |

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

| 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 | 09/13/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| 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 | 09/12/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.4 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|------------------|
| Received: | 09/08/2022 | Sampling Date: | 09/08/2022 |
| Reported: | 09/13/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 09/13/2022 | ND | 2.06 | 103 | 2.00 | 13.0 | | |
| Toluene* | <0.050 | 0.050 | 09/13/2022 | ND | 2.01 | 101 | 2.00 | 13.0 | | |
| Ethylbenzene* | <0.050 | 0.050 | 09/13/2022 | ND | 1.97 | 98.5 | 2.00 | 13.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 09/13/2022 | ND | 6.08 | 101 | 6.00 | 13.0 | | |
| Total BTEX | <0.300 | 0.300 | 09/13/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 09/13/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| 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 | 09/12/2022 | ND | 214 | 107 | 200 | 4.06 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/12/2022 | ND | 212 | 106 | 200 | 9.71 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/12/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 85.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.9 % 46.3-178

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*=Accredited Analyte

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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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals
 Project Manager: Justin Roberts
 Address: 2525 NW County RD
 City: Hobbs State: NM ZIP: 88240
 Phone #: (575)-392-9996
 Project #: MOC-386
 Project Name: Aureus - Derringer Frac Pond
 Project Location: NM
 Sampler Name: Jason Owsley

P.O. #: _____
 Company: Newbournne
 Attn: Conner Walker
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

| Sample I.D. | B50 @ 2' | B53 @ 2' | B54 @ 2' | B56 @ 2' | B57 @ 2' | B58 @ 2' | B59 @ 2' | DATE | TIME | CL | EXT TPH | BTEX | MATRIX | | | | PRESERV. | | SAMPLING | |
|-------------|----------|----------|----------|----------|----------|----------|----------|--------|---------|----|------------|------|-------------|------------|------|-----|----------|---------|------------|------------|
| | | | | | | | | | | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL |
| H241310 | | | | | | | | 9/8/22 | 10:40am | X | X | X | | | | | | | | |
| 1 | | | | | | | | 9/8/22 | 10:42am | X | X | X | | | | | | | | |
| 2 | | | | | | | | 9/8/22 | 10:44am | X | X | X | | | | | | | | |
| 3 | | | | | | | | 9/8/22 | 10:46am | X | X | X | | | | | | | | |
| 4 | | | | | | | | 9/8/22 | 10:48am | X | X | X | | | | | | | | |
| 5 | | | | | | | | 9/8/22 | 10:50am | X | X | X | | | | | | | | |
| 6 | | | | | | | | 9/8/22 | 10:52am | X | X | X | | | | | | | | |
| 7 | | | | | | | | 9/8/22 | 10:52am | X | X | X | | | | | | | | |

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Relinquished By: _____ Date: 9/8/22
 Received By: J. Derringer Date: 9/8/22
 Time: 1535
 Observed Temp. °C: 4.7°C
 Corrected Temp. °C: 4.1°C

Delivered By: (Circle One) UPS - Bus - Other: _____
 Sample Condition: Intact Cool Yes No
 CHECKED BY: (Initials) JRE
 Thermometer ID #113
 Correction Factor -0.6°C
 Standard Bacteria (only) Sample Condition
 Observed Temp. °C: 4.7°C
 Corrected Temp. °C: 4.1°C



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

September 19, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 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 69.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.5 % 46.3-178

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*=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: | 09/15/2022 | 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 | | 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) 105 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 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 70.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.1 % 46.3-178

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*=Accredited Analyte

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/15/2022 | Sampling Date: | 09/15/2022 |
| Reported: | 09/19/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 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 73.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.4 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/15/2022 | Sampling Date: | 09/15/2022 |
| Reported: | 09/19/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 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 62.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 71.2 % 46.3-178

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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 32 @ 7' (H224286-05)

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 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 69.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.6 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.2 % 46.3-178

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/15/2022 | Sampling Date: | 09/15/2022 |
| Reported: | 09/19/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 70.2 % 46.3-178

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/15/2022 | Sampling Date: | 09/15/2022 |
| Reported: | 09/19/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 67.2 % 46.3-178

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 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.2 % 46.3-178

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 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 | | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | 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 56.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 62.4 % 46.3-178

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 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 61 @ 2' (H224286-11)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | 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 63.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 71.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals
 Project Manager: Justin Roberts
 Address: 2525 NW County RD
 City: Hobbs State: NM ZIP: 88240
 Phone #: (575)-392-9996
 Project #: MOC-386
 Project Name: Aureus Derringer Frac Pond
 Project Location: NM
 Sampler Name: Jason Owsley
 P.O. #: _____
 Company: Mewbourne
 Attn: Conner Walker
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | PRESERV. | SAMPLING | DATE | TIME | CL | EXT TPH | BTEX |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|----------|----------|--------|------|----|---------|------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | | | | | | | |
| H24286 | B27 @ 7' | C | 1 | X | | | | | | 9/15/22 | 8:30am | X | | | |
| | B28 @ 7' | C | 1 | X | | | | | | 9/15/22 | 8:32am | X | | | |
| | B30 @ 7' | C | 1 | X | | | | | | 9/15/22 | 8:34am | X | | | |
| | B31 @ 7' | C | 1 | X | | | | | | 9/15/22 | 8:36am | X | | | |
| | B32 @ 7' | C | 1 | X | | | | | | 9/15/22 | 8:38am | X | | | |
| | B34 @ 7' | C | 1 | X | | | | | | 9/15/22 | 8:40am | X | | | |
| | B35 @ 7' | C | 1 | X | | | | | | 9/15/22 | 8:42am | X | | | |
| | B36 @ 7' | C | 1 | X | | | | | | 9/15/22 | 8:44am | X | | | |
| | B37 @ 7' | C | 1 | X | | | | | | 9/15/22 | 8:46am | X | | | |

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Relinquished By: _____ Date: 9-15-22 Received By: _____ Date: 9-15-22
 Time: 16:15
 Delivered By: (Circle One) Observed Temp. °C 34 Corrected Temp. °C 2.8
 Sampler - UPS - Bus - Other: _____
 Sample Condition: Cool Intact
 Yes No
 Checked By: _____ (Initials) _____
 Remarks: _____
 Verbal Result: Yes No
 Add'l Phone #: _____
 All Results are emailed. Please provide Email address: jasono@diamondbacknm.com / yesenia@diamondbacknm.com / Justin / Connor

Thermometer ID #113
 Correction Factor -0.5°C
 Standard Bacteria (only) Sample Condition
 Observed Temp. °C _____
 Corrected Temp. °C _____



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals
 Project Manager: Justin Roberts
 Address: 2525 NW County RD
 City: Hobbs State: NM ZIP: 88240
 Phone #: (575)-392-9996
 Project #: MOC-386
 Project Name: Aureus Derringer Frac Pond
 Project Location: NM
 Sampler Name: Jason Owsley
 Lab I.D. Sample I.D.

P.O. #: Company: Mewbourne
 Attn: Conner Walker
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

| Sample I.D. | B60 @ 2' | B61 @ 2' | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|----------|----------|-------------------|--------------|-------------|------------|------|-----|--------|-----------------------|---------|---------|----|------------|------|
| | | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : ACID/BASE: | | | | | |
| H224286 | | | | 1 | X | X | | | | | 9/15/22 | 11:30am | X | X | X |
| 11 | | | | 1 | X | | | | | | 9/15/22 | 11:32am | X | X | X |

RELEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 9/15/22
 Received By: [Signature] Date: 9/15/22
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address: JasonO@diamondbacknm.com / yesenial@diamondbacknm.com / Justin / Connor

Delivered By: (Circle One) UPS - Bus - Other: Observed Temp. °C: 34 Corrected Temp. °C: 2.8
 Sample Condition: Cool Intact Yes No
 CHECKED BY: [Signature] (Initials) [Signature]
 Turnaround Time: Rush Standard Backfill (only) Sample Condition
 Thermometer ID #113 Correction Factor -0.5°C
 Yes No Yes No Corrected Temp. °C



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

September 21, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | 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 65.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.5 % 46.3-178

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | 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 71.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.7 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 12 @ 2-7' (H224287-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|-----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | 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 67.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 13 @ 2-7' (H224287-04)

| 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 | 09/18/2022 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 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 69.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.5 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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, Lab Director/Quality Manager



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

September 21, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 62 @ 2' (H224306-01)

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed By: CK | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/19/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.1 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 09/16/2022 | Sampling Date: | 09/16/2022 |
| Reported: | 09/21/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed 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 | | Analyzed By: CK | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/19/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.8 % 46.3-178

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 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 64 @ 2' (H224306-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 09/19/2022 | ND | 416 | 104 | 400 | 3.77 | |

| 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 | 09/19/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.6 % 46.3-178

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 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 66 @ 2' (H224306-04)

| 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 | 09/19/2022 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed 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 | | Analyzed By: CK | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/19/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.0 % 46.3-178

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 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 72 @ 2' (H224306-05)

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed By: CK | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/19/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.9 % 46.3-178

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 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 67 @ 2' (H224306-06)

| 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 | 09/19/2022 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 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 | 09/19/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.6 % 46.3-178

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 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 | | Analyzed 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 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 | 09/19/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.3 % 46.3-178

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 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 71 @ 2' (H224306-08)

| 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 | 09/20/2022 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 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 | 09/19/2022 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.9 % 46.3-178

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*=Accredited Analyte

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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals
 Project Manager: Justin Roberts
 Address: 2525 NW County RD
 City: Hobbs State: NM ZIP: 88240
 Phone #: (575)-392-9996
 Project #: Moc-386
 Project Name: Aureus Derringer Frac Pond
 Project Location: NM
 Sampler Name: Jason Owsley
 Lab I.D.:

P.O. #: _____
 Company: Mewbourne
 Attn: Conner Walker
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

| Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|---------|---------|----|------------|------|
| | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | |
| 1 B62 @ 2' | C | 1 | X | | | | | | 9/16/22 | 11:40am | X | X | |
| 2 B63 @ 2' | C | 1 | X | | | | | | 9/16/22 | 11:42am | X | X | |
| 3 B64 @ 2' | C | 1 | X | | | | | | 9/16/22 | 11:44am | X | X | |
| 4 B66 @ 2' | C | 1 | X | | | | | | 9/16/22 | 11:46am | X | X | |
| 5 B72 @ 2' | C | 1 | X | | | | | | 9/16/22 | 11:48am | X | X | |
| 6 B67 @ 2' | C | 1 | X | | | | | | 9/16/22 | 12:50pm | X | X | |
| 7 B68 @ 2' | C | 1 | X | | | | | | 9/16/22 | 12:52pm | X | X | |
| 8 B71 @ 2' | C | 1 | X | | | | | | 9/16/22 | 12:54pm | X | X | |

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Relinquished By: _____ Date: 9/16/22
 Received By: _____ Date: 9/16/22
 Observed Temp. °C: 0.7
 Corrected Temp. °C: 0.1
 Sample Condition: Intact Cool Yes No
 CHECKED BY: (Initials) J.O.
 Verbal Result: Yes No
 Add'l Phone #: _____
 All Results are emailed. Please provide Email address: JasonO@diamondbacknm.com / yesenial@diamondbacknm.com / Justin / Connor
 T turnaround Time: Standard Bacteria (only) Sample Condition
 Rush Cool Intact Observed Temp. °C
 Thermometer ID #113
 Correction Factor -0.3°C
 Yes No Yes No Corrected Temp. °C



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

October 10, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 10/07/2022 | ND | 432 | 108 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 132 % 46.3-178

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 10/07/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 10/07/2022 | ND | 432 | 108 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 10/07/2022 | ND | 432 | 108 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/08/2022 | ND | 1.98 | 99.2 | 2.00 | 1.36 | |
| Toluene* | <0.050 | 0.050 | 10/08/2022 | ND | 1.98 | 99.1 | 2.00 | 2.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/08/2022 | ND | 1.91 | 95.7 | 2.00 | 1.50 | |
| Total Xylenes* | <0.150 | 0.150 | 10/08/2022 | ND | 5.86 | 97.6 | 6.00 | 1.95 | |
| Total BTEX | <0.300 | 0.300 | 10/08/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 10/07/2022 | ND | 432 | 108 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 10/08/2022 | ND | 1.98 | 99.2 | 2.00 | 1.36 | |
| Toluene* | <0.050 | 0.050 | 10/08/2022 | ND | 1.98 | 99.1 | 2.00 | 2.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/08/2022 | ND | 1.91 | 95.7 | 2.00 | 1.50 | |
| Total Xylenes* | <0.150 | 0.150 | 10/08/2022 | ND | 5.86 | 97.6 | 6.00 | 1.95 | |
| Total BTEX | <0.300 | 0.300 | 10/08/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 10/07/2022 | ND | 432 | 108 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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*=Accredited Analyte

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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals
 Project Manager: Justin Roberts
 Address: 2525 NW County RD
 City: Hobbs State: NM ZIP: 88240
 Phone #: (575)-392-9996
 Project #: MOC-386
 Project Name: Aureus Derringer Frac Pond
 Project Location: NM
 Sampler Name: Jason Owsley
 Lab I.D.:

P.O. #: _____
 Company: Mewbourne
 Attn: Conner Walker
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

| Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|-------------------|--------------|-------------|------------|------|-----|---------|---------|------|----|------------|------|
| | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | | | | | |
| 1 B51 @ 7' | C | 1 | X | | | | 10/3/22 | 11:20am | X | X | X | |
| 2 B52 @ 7' | C | 1 | X | | | | 10/3/22 | 11:22am | X | X | X | |
| 3 B65 @ 3' | C | 1 | X | | | | 10/3/22 | 11:50am | X | X | X | |
| 4 B69 @ 3' | C | 1 | X | | | | 10/3/22 | 11:52am | X | X | X | |
| 5 B70 @ 3' | C | 1 | X | | | | 10/3/22 | 11:54am | X | X | X | |
| 6 B73 @ 1' | C | 1 | X | | | | 10/3/22 | 1:40pm | X | X | X | |
| 7 B74 @ 1' | C | 1 | X | | | | 10/3/22 | 1:42pm | X | X | X | |
| 8 B75 @ 1' | C | 1 | X | | | | 10/3/22 | 1:46pm | X | X | X | |

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Received By: *Justin Roberts* Date: 10-3-22
 Received By: *Jason Owsley* Date: 10-3-22
 Verbal Result: Yes No
 Add'l Phone #: _____

Discarded By: (Circle One) UPS Bus Other
 Observed Temp. °C: 21.9
 Corrected Temp. °C: 21.3
 Sample Condition: Cool Intact
 Checked By: *AO*

Thermometer ID #113
 Correction Factor -0.5°C
 Standard Bacteria (only) Sample Condition
 Observed Temp. °C: _____
 Corrected Temp. °C: _____



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

October 10, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | Analyzed 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 10/07/2022 | ND | 432 | 108 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 10/07/2022 | ND | 432 | 108 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 16 @ 2-7' (H224599-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed 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 | | Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/03/2022 | Sampling Date: | 10/03/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|-----------------|--------------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/08/2022 | ND | 1.98 | 99.2 | 2.00 | 1.36 | |
| Toluene* | 0.149 | 0.050 | 10/08/2022 | ND | 1.98 | 99.1 | 2.00 | 2.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/08/2022 | ND | 1.91 | 95.7 | 2.00 | 1.50 | |
| Total Xylenes* | <0.150 | 0.150 | 10/08/2022 | ND | 5.86 | 97.6 | 6.00 | 1.95 | |
| Total BTEX | <0.300 | 0.300 | 10/08/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/07/2022 | ND | 222 | 111 | 200 | 1.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/07/2022 | ND | 224 | 112 | 200 | 5.27 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/07/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

October 10, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/04/2022 | Sampling Date: | 10/04/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|-----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/08/2022 | ND | 2.01 | 101 | 2.00 | 3.51 | |
| Toluene* | 0.134 | 0.050 | 10/08/2022 | ND | 2.12 | 106 | 2.00 | 2.83 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/08/2022 | ND | 1.96 | 97.8 | 2.00 | 3.44 | |
| Total Xylenes* | <0.150 | 0.150 | 10/08/2022 | ND | 5.88 | 98.0 | 6.00 | 4.33 | |
| Total BTEX | <0.300 | 0.300 | 10/08/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 130 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/04/2022 | Sampling Date: | 10/04/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals
 Project Manager: Justin Roberts
 Address: 2525 NW County RD
 City: Hobbs State: NM ZIP: 88240
 Phone #: (575)-392-9996
 Project #: MOC-386
 Project Name: Aureus Derringer Frac Pond
 Project Location: NM
 Sampler Name: Jason Owsley
 P.O. #: _____
 Company: Mewbourne
 Attn: Conner Walker
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

FOR LAB USE ONLY
 Lab I.D. Sample I.D.

| Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | PRESERV. | SAMPLING | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|-------------------|--------------|-------------|------------|------|-----|--------|----------|----------|--------|------|----|---------|------|
| | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | | | | | | | |
| 1 | W18 @ 0-2' | 1 | | | X | | | | 10/4/22 | 1:50pm | X | X | X | |
| 2 | W19 @ 0-2' | 1 | | | X | | | | 10/4/22 | 1:52pm | X | X | X | |

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Relinquished By: _____ Date: 10-4-22 Received By: _____ Date: 10-4-22
 Time: 1:50

Delivered By: (Circle One) Observed Temp. °C: 5.1 Corrected Temp. °C: 4.5
 Sampler - UPS - Bus - Other: _____

Sample Condition: Cool Intact
 Checked By: _____ (Initials) YP

Remarks: Verbal Results: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: JasonO@diamondbacknm.com / yesenia@diamondbacknm.com / Justin / Connor
 Turnaround Time: Standard Rush Backlogs (only) Sample Condition: Yes No
 Thermometer ID #113 Correction Factor -0.3°C Yes No

† Cardinal cannot accept verbal changes. Please email changes to celsey.keene@cardinalabnm.com



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

October 10, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AUREUS - DERRINGER FRAC POND

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/04/2022 | Sampling Date: | 10/04/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 10/07/2022 | ND | 448 | 112 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | Analyzed 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 145 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 78 @ 3' (H224625-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 10/07/2022 | ND | 448 | 112 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 137 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 | | Analyzed 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 10/07/2022 | ND | 448 | 112 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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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 80 @ 3' (H224625-05)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 10/07/2022 | ND | 448 | 112 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 136 % 46.3-178

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 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 81 @ 2' (H224625-06)

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 10/07/2022 | ND | 448 | 112 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 135 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 10/04/2022 | Sampling Date: | 10/04/2022 |
| Reported: | 10/10/2022 | Sampling Type: | Soil |
| Project Name: | AUREUS - DERRINGER FRAC POND | Sampling Condition: | Cool & Intact |
| Project Number: | MOC - 386 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - NM | | |

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

| BTEX 8021B | | mg/kg | | Analyzed 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 10/07/2022 | ND | 448 | 112 | 400 | 3.64 | |

| 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 | 10/07/2022 | ND | 227 | 113 | 200 | 5.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/07/2022 | ND | 251 | 125 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/07/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 116 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Analytical Results For:

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 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 | | Analyzed 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed 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 | | Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 149 % 46.3-178

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Analytical Results For:

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 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 84 @ 2' (H224625-09)

| 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 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 10/07/2022 | ND | 448 | 112 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 133 % 46.3-178

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Analytical Results For:

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 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 | | Analyzed 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 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 10/07/2022 | ND | 448 | 112 | 400 | 3.64 | | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 137 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 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 55 @ 2' (H224625-11)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 10/07/2022 | ND | 448 | 112 | 400 | 3.64 | |

| 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 | 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposals

Project Manager: Justin Roberts

Address: 2525 NW County RD

City: Hobbs State: NM ZIP: 88240

Phone #: (575) 392-9996

Project #: MOC-386

Project Name: Aureus Derringer Frac Pond

Project Location: NM

Sampler Name: Jason Owsley

FOR LAB USE ONLY

Lab I.D. H224625-

Sample I.D.

| Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | DATE | TIME | CL | EXT TPH | BTEX |
|-------------|-------------------|--------------|-------------|------------|------|-----|---------|---------|------|----|------------|------|
| | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | | | | | |
| 1 B76 @ 2' | C | 1 | X | | | | 10/4/22 | 9:00am | X | X | X | |
| 2 B77 @ 2' | C | 1 | X | | | | 10/4/22 | 9:02am | X | X | X | |
| 3 B78 @ 3' | C | 1 | X | | | | 10/4/22 | 1:10pm | X | X | X | |
| 4 B79 @ 3' | C | 1 | X | | | | 10/4/22 | 1:12pm | X | X | X | |
| 5 B80 @ 3' | C | 1 | X | | | | 10/4/22 | 1:14pm | X | X | X | |
| 6 B81 @ 2' | C | 1 | X | | | | 10/4/22 | 1:16pm | X | X | X | |
| 7 B82 @ 3' | C | 1 | X | | | | 10/4/22 | 1:18pm | X | X | X | |
| 8 B83 @ 2' | C | 1 | X | | | | 10/4/22 | 11:50am | X | X | X | |
| 9 B84 @ 2' | C | 1 | X | | | | 10/4/22 | 11:52am | X | X | X | |
| 10 B85 @ 2' | C | 1 | X | | | | 10/4/22 | 11:54am | X | X | X | |

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

Received By: *Jason Owsley*

Date: 10/4/22 Time: 1:50

Observed Temp. °C: 5.1 Corrected Temp. °C: 4.5

Sample Condition: Cool Intact

Checked By: *J.O.*

Turnaround Time: Rush Standard

Thermometer ID #113 Correction Factor -0.3°C

Verbal Result: Yes No

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

Additional Phone #: Yes No

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 182900

CONDITIONS

| | |
|---|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: 14744 |
| | Action Number: 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 |