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 | NAB1907841837 |
| District RP | 1RP-5399 |
| Facility ID | fAB1907841396 |
| Application ID | pAB1907841569 |

# Release Notification

## Responsible Party

| | |
|---|---|
| Responsible Party CHISHOLM ENERGY OPERATING, LLC | OGRID 372137 |
| Contact Name TIM GREEN/JENNIFER ELROD | Contact Telephone 432-413-9747 |
| Contact email tgretgreen@chisholmenergy.com/jelrod@chisholmenergy.com | Incident # *(assigned by OCD)* NAB1907841837 |
| Contact mailing address 801 CHERRY STREET, SUITE 1200-UNIT 20, FORT WORTH, TX 76102 | |

## Location of Release Source

Latitude 32.652795 Longitude --103.713401

*(NAD 83 in decimal degrees to 5 decimal places)*

**DIAMONDBACK 24-25 FED COM BATTERY Per Tim Green @ 3/19/2019 AB

| | |
|---|---|
| Site Name DIAMONDBACK PAD LOCATION | Site Type WELL PAD LOCATION **TANK BATTERY |
| Date Release Discovered 03/03/2019 | API# *(if applicable)* |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| A | 24 | 19S | 32E | LEA |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

## Nature and Volume of Release

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

| | | |
|---|---|---|
| ☐ Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| ☒ Produced Water | Volume Released (bbls) 520 BBLS | Volume Recovered (bbls) 260 BBLS |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☒ Yes ☐ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☐ Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| ☐ Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release FITTING BUSTED ON PIPE BETWEEN TANK AND 3BEAR FIELD SERVICES WATER PUMP

CALCULATED AMOUNT SPILLED BY USING AMOUNT THAT HAD RUN THROUGH LACT METER SUBTRACTED BY AMOUNT LEFT IN TANK.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAB1907841837 |
| District RP | 1RP-5399 |
| Facility ID | fAB1907841396 |
| Application ID | pAB1907841569 |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br>☒ Yes ☐ No | If YES, for what reason(s) does the responsible party consider this a major release?<br>OVER 25 BBLS SPILLED |

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
NOTICE WAS GIVEN 03/04/2019 TO DIST 1 OCD OFFICE

## Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
Jim Amos w/BLM met with Tim Green on location; location has been scraped and Jim also asked that all wet sand off location be dug out to below spill level on the south, east, and north side of location.

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: JENNIFER ELROD Title: SR. REGULATORY ANALYST

Signature: Jennifer Elrod Date: 03/06/2019

email: JELROD@CHISHOLMENERGY.COM Telephone: 817-953-3728

**OCD Only**

Received by: Amelia Barrameda Date: 3/19/2019

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAB1907841837 |
| District RP | |
| Facility ID | |
| Application ID | |

# Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | >110 (ft bgs) |
| Did this release impact groundwater or surface water? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☒ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☒ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☒ No |
| Did the release impact areas **not** on an exploration, development, production, or storage site? | ☒ Yes ☐ No |

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAB1907841837 |
| District RP | |
| Facility ID | |
| Application ID | |

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: ___Jeff Kindley_____ Title: _____Senior Geologist_____

Signature: Jeff Kindley Date: _____June 26, 2023_____

email: ____jkindley@ntglobal.com_____ Telephone: __432-967-6544_____

**OCD Only**

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAB1907841837 |
| District RP | |
| Facility ID | |
| Application ID | |

# Remediation Plan

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

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only**: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: ___Jeff Kindley_____ Title: _____Senior Geologist_____

Signature: Jeff Kindley Date: __June 26, 2023_____

email: _jkindley@ntglobal.com_____ Telephone: ___432-967-6544_____

**OCD Only**

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2201934969 |
| District RP | |
| Facility ID | |
| Application ID | |

# Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | >110 (ft bgs) |
| Did this release impact groundwater or surface water? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☒ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☒ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☒ No |
| Did the release impact areas **not** on an exploration, development, production, or storage site? | ☐ Yes ☒ No |

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2201934969 |
| District RP | |
| Facility ID | |
| Application ID | |

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: ___Jeff Kindley_____ Title: _____Senior Geologist_____

Signature: Jeff Kindley Date: _____June 26, 2023_____

email: ____jkindley@ntglobal.com_____ Telephone: __432-967-6544_____

**OCD Only**

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2201934969 |
| District RP | |
| Facility ID | |
| Application ID | |

# Remediation Plan

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

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only**: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: ___Jeff Kindley_____ Title: _____Senior Geologist_____

Signature: Jeff Kindley Date: __June 26, 2023_____

email: _jkindley@ntglobal.com_____ Telephone: ___432-967-6544_____

**OCD Only**

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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 | nAPP2300652445 |
| District RP | |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

| | |
|---|---|
| Responsible Party Earthstone Operating, LLC | OGRID |
| Contact Name Chris Martin | Contact Telephone |
| Contact email CMartin@earthstoneenergy.com | Incident # *(assigned by OCD)* |
| Contact mailing address 600 N. Marienfeld Suite 1000, Midland, Texas 79701 | |

## Location of Release Source

Latitude 32.652962 Longitude -103.712913
*(NAD 83 in decimal degrees to 5 decimal places)*

| | |
|---|---|
| Site Name Diamondback 24-25 CTB | Site Type Tank Battery |
| Date Release Discovered 12/25/2022 | API# *(if applicable)* |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| A | 24 | 19S | 32E | Lea |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

## Nature and Volume of Release

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

| | | |
|---|---|---|
| ☒ Crude Oil | Volume Released (bbls) 100 | Volume Recovered (bbls) 70 |
| ☒ Produced Water | Volume Released (bbls) 30 | Volume Recovered (bbls) 10 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☒ Yes ☐ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☐ Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| ☐ Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

Equipment failure from gasket on the fire tube of a heater treater. Repairs have been made and the release stopped.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2300652445 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br>☒ Yes ☐ No | If YES, for what reason(s) does the responsible party consider this a major release?<br>Spill is over 25 BBLS |

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

Immediate notice was given by Chris Martin via email (CMartin@earthstoneenergy.com) to Rosa Romero via email (RosaM.Romero@emnrd.nm.gov) and OCD (ocd.enviro@state.nm.us) at 4:38 PM MT on 12/25/22.

## Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Rebecca Haskell Title: Senior Project Manager

Signature: Rebecca Haskell Date: 1/6/2023

email: bhaskell@ntglobal.com Telephone: 432-766-1918

**OCD Only**

Received by: Date:

701 Tradewinds Blvd
Midland, Texas 79707
Tel. 432-766-1918
www.ntgenvironmental.com

March 12, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, New Mexico 88210

**Re: Site Characterization and Deferral Request**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Operating, LLC (Permian Resources)**
**Incident IDs: nAB1907841837/nAPP2201934969/nAPP2300652445**
**A-24-19S-32E, Lea County, New Mexico**

# 1. Introduction

On behalf of Permian Resources (Permian), formerly Earthstone Operating, LLC (Earthstone), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Deferral Request Report for the NMOCD District 1 Office in Hobbs New Mexico for documentation of site assessment, sampling, remedial action activities, and analysis at the Diamondback 24-25 Fed Com Battery Release Site (Site). The Site is located within Unit Letter A, Section 24 of Township 19 South and Range 32 East in Lea County, New Mexico. The GPS coordinates for the release sites are 32.652795° N latitude and -103.713401° W Longitude for nAB1907841837, 32.65271° N latitude and -103.71361° W Longitude for nAPP2201934969, and 32.652962° N Latitude and -103.712913° W Longitude for nAPP2300652445. The release occurred on land managed by the Bureau of Land Management (BLM). Figure 1 depicts the site location with respect to the nearest town and Figure 2 shows the topographic map of the site. Figure 3 depicts the initial footprint of the release.

# 2. Background

Based on the initial C-141 for nAB1907841837, obtained from the New Mexico Oil Conservation Division (NMOCD), the initial release occurred on March 3, 2019, as the result of a fitting busting on a pipe between a tank and 3Bear Field Services water pump. At the time of this release, the responsible party was Chisholm Energy Operating, LLC (Chisholm). Approximately five hundred twenty (520) barrels (bbls) of produced water were released with two hundred sixty (260) recovered for a net loss of two hundred sixty (260) bbls. A vac truck was called, and soil was pushed and stockpiled to prevent further spread of fluids.

Chisholm had a second release on January 8, 2022. A C-141 was not submitted by Chisholm for this release. According to the Notice of Release (NOR) forty (40) bbls of crude oil and thirty (30) bbls of produced water were released, with twenty-five (25) bbls of crude oil and fifteen (15) bbls of produced water recovered for a net loss of fifteen (15)

bbls of crude oil and fifteen (15) bbls of produced water.

A third C-141, Release Notification, was submitted to the NMOCD for this facility on December 25, 2022. The C-141 stated that one hundred (100) bbls of crude oil and thirty (30) bbls of produced water were released with seventy (70) bbls of crude oil and ten (10) bbls of produced water recovered for a net loss of thirty (30) bbls of crude oil and twenty (20) bbls of produced water. The release was due to equipment failure from a gasket on a fire tube of the heater treater. Repairs were made and vac truck was called to remove any free liquids.

The NMOCD assigned the releases with Incident Numbers nAB1907841837, nAPP2201934969, and nAPP2300652445 for the three (3) releases, respectively. The Release Notifications, Site Assessment/Characterization, and Deferral Plan portions of Form C-141 are attached to the front of this report.

## 3. Groundwater and Site Characterization

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release (Table I), from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12)

The Site is in an area of low karst potential. Based on a review of the New Mexico Office of State Engineers and USGS databases, there were no known depth to groundwater sources and or features within a ½-mile radius of the location. On June 13, 2023, NTGE oversaw the installation of a temporary groundwater well by HCI Drilling on the northeast edge of the Diamondback facility to a depth of one hundred and ten (110) feet (ft) below ground surface (bgs). The well was gauged on June 16, 2023, and found to be dry. The well was then plugged on June 19, 2023. See attached temporary well log diagram in Appendix A. The location of the temporary well is depicted on Figures 4, 5, and 5A. No other receptors (water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) are located within each specific boundary or distance from the Site. The site characterization documentation (NM Oil and Gas Map, Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are provided as Attachment A. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area with a depth to groundwater that meets the Closure Criteria for greater than one-hundred (100) feet in Table I. The soil and Closure Criteria are listed below:

***General Site Characterization and Groundwater: Table 3.1***

| Site Characterization | Average Groundwater Depth (ft) |
|---|---|
| Low Karst, TMW-1 (northeast corner of site) | >110’ |

***Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)***

| Regulatory Standard | Chloride | TPH (GRO+DRO+MRO) | TPH (GRO+DRO) | BTEX | Benzene |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| 19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release | 20,000 mg/kg | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/kg |
| 19.15.29.13 NMAC Table I Closure Criteria for Soils Surface to 4 Feet Below Ground | 600 mg/kg | 100 mg/kg | --- | 50 mg/kg | 10 mg/kg |
| Notes:<br>--- = not defined | | | | | |

## 4. Initial Soil Delineation Assessment Summary and Findings

On January 5, 2023, NTGE mobilized to the site to conduct an initial assessment whereby six (6) vertical sample points (S-1 through S-6) and eight (8) horizontal sample points (H-1 through H-8) were installed to delineate the area vertically and horizontally. The samples were collected from depths ranging from zero (0) to five and a half (5.5) ft bgs (ft bgs) and collected in one (1) foot intervals with a geotechnical hand auger. The samples were submitted to Eurofins in Carlsbad, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015 modified, and chloride by Method 300.0 Analysis indicated that three (3) samples (S-1, S-2, and S-4) displayed TPH and/or chloride concentrations that exceeded Table 1 Closure Criteria per rule 19.15.29.13 for surface to four (4) feet bgs. Analytical results also indicated that four (4) horizontal samples (H-5 through H-8) exhibited TPH concentrations above Table 1 Closure Criteria for rule 19.15.29.13.

During the month of March on 7, 10, 13, 15, 16, 2023, NTGE and Standard mobilized to the site to perform further delineation activities associated with impacted soils regarding the non-reportable spill. On March 7, and 10, NTGE installed multiple sample points on the well pad and pasture at varying depths to vertically delineate the impacted soils and were installed via a geo technical hand auger. The samples collected were submitted to Eurofins in Carlsbad, New Mexico for analysis of BTEX, TPH, and chlorides. At this time of remedial activities, the Temporary Monitor Well (TMW-1) was not installed yet and site-specific thresholds were held to the strictest standards. Analysis indicated that samples S-5 through S-15 at varying depths displayed levels of TPH and/or chlorides above thresholds for Table I Closure Criteria.

On March 13, 2023, NTGE and Standard mobilized to the site to perform additional delineation activities to obtain deeper samples via a backhoe and assess the vertical extent of impact in areas S-7 through S-9, as well as installed a test pit location near the heater treater, TP-1. Vertical samples S-7 through S-9, and TP-1 were excavated to depths ranging from three (3) feet to thirteen (13) feet bgs. The samples were submitted to Eurofins in Carlsbad, New Mexico for analyses of BTEX, TPH, and chlorides. Analysis indicated that samples S-7 through S-9 displayed BTEX, TPH, and chloride

concentrations above Table I Closure Criteria. Text pit sample TP-1 displayed chloride concentrations above Table I Closure Criteria.

On March 15 and 16, 2023, further remedial activities were conducted by NTGE and Standard to assess vertical extents of impacted soils. Standard installed deeper samples for S-10, and installed new sample points NS-10, SS-10, and TP-2, to vertically and horizontally delineate that specific area east of the heater treater in the pasture. The samples and test pit location were excavated to depths ranging from six (6) feet to nineteen (19) feet bgs. The samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for analysis of BTEX, TPH, and chlorides. Analysis indicated that samples S-10, NS-10, SS-10, and TP-2 were above the Table I Closure Criteria for chlorides at varying depths. Due to the exceedances above, further remedial activities were required, and the closure report due by March 25, 2023, NTGE submitted an extension request on March 23, 2023 to the NMOCD for an additional 90 days. The NMOCD granted approval for the request on March 24, 2023.

On June 13, 2023, NTGE and Harrison and Cooper, Inc mobilized to the site to install the Temporary Monitor Well on the northeast corner of the pad. Additionally, the Temporary Well was installed to further delineate the area. The well was installed with an air-rotary drilling rig to a depth of one hundred ten feet (ft) below ground surface (bgs). No groundwater was detected and the well was found dry at one-hundred and ten (110) bgs. Samples were also collected at varying depths while the well was being drilled and collected at varying depths from three (3) feet to fifty (50) feet bgs. Samples were analyzed for BTEX, TPH, and chlorides. All samples were below standards. Future activities from this point forward for sample collection and thresholds are now held to groundwater greater than 100 feet bgs.

On July 10, 2023, Earthstone had a non-reportable release which occurred due to a gasket leak on the heater treater, which sprayed oil around the area with some liquid pooling. The release was a crude oil release of four (4) bbls, of which two and one half (2.5) bbls were recovered. NTGE mobilized to the site again on July 31, 2023, to conduct delineation activities to assess the vertical extent of impacts in that area. Samples S-16, S-17, and S-20 were installed with a geotechnical hand auger and collected samples with depths ranging from zero to six inches (0-6”) bgs and four to four-and-a-half (4-4.5) feet bgs for S-16 and S-20. Sample S-20 was collected with depths ranging from four to four-and-a-half (4-4.5) feet to eight and eight-and-a-half (8-8.5) feet bgs. Samples were submitted to Eurofins in Carlsbad, New Mexico and analyzed for BTEX, TPH, and chlorides. Analysis exhibited BTEX, TPH, and chloride concentrations above limits in S-17 for all sample depths, and S-20 at (0-6”) inches above limits for TPH and chlorides.

On August 1, 15, and 16, 2023, NTGE returned to the site to conduct further delineation activities to assess the horizontal and vertical extent of impacts. NTGE installed further delineation samples on August 1, 2023, for sample points S-18 through S-24 at varying depths bgs. Additionally, seven (7) hand auger borings (H-9 through H-15) were installed around the impacted area to assess horizontal impacts. The samples were submitted to Cardinal labs in Hobbs, New Mexico and analyzed for BTEX, TPH, and chlorides. Analysis indicated that two samples (H-13 and H-14) exhibited TPH and chloride

concentrations that exceeded Table I Closure Criteria.

On August 15 and 16, 2023, NTGE installed multiple horizontal delineation samples and several vertical delineation samples to assess the extent of impacts. Horizontal and vertical delineation samples (H-4A, H-10A, H-11A, [H-12A(VH-12] through H-15A [VH-15], and H-16), along with S-25 and S-26) were collected at varying depths from surface to five and five-and-a-half (5-5.5) feet bgs in order to achieve delineation. All samples were submitted to Cardinal in Hobbs, New Mexico and analyzed for BTEX, TPH, and chlorides. Analysis indicated that VH-13 at (0-6") and VH-14 at (0-6") exhibited chloride concentrations above Table I Closure Criteria for surface to four (4) feet bgs per rule 19.15.29.13. Figure 3 depicts the initial delineation sample locations, analytical results are provided on Table 1, Summary of Soil Analytical Data – Delineation Samples, while laboratory reports are included in Appendix D.

## 5. Remedial Action Activities and Confirmation Sampling

Composite bottom hole and sidewall confirmation samples were collected by way of five (5) point composite samples from areas representing no greater than two hundred square feet. The confirmation samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B or 300.0).

NTGE and Standard returned to the site to perform remedial activities and conduct confirmation sampling events due to the exceedances discussed above. Between August 17, 2023, and August 30, 2023, NTGE collected one hundred and fifteen (115) bottom hole confirmation samples (CS-1 through CS-115), and forty (40) Sidewall Confirmation Samples (SW-1 through SW-40). Analytical results indicated that SW-10 and SW-11 were above chloride concentrations for 19.15.29.13, and SW-12, SW-13, were above Table I Closure Criteria for TPH.

On September 19, 2023, NTGE conducted a confirmation sampling event whereby eleven (11) bottom hole confirmation samples (CS-116 through CS-126) and fifteen (15) sidewall confirmation samples (SW-41 through SW-55) were collected. Analytical results indicated that CS-116 and CS-117 exhibited TPH concentrations that exceeded Table I Closure Criteria, while CS-125, SW-41, SW-44, and SW-50 through SW-53, exhibited TPH and/or chloride concentrations above Closure Criteria for surface to four (4) feet bgs per rule 19.15.29.13.

Due to the exceedances above, NTGE returned to the site after further excavation activities by Standard and conducted another confirmation sampling event on October 9, 2023. NTGE collected twenty-eight (28) sidewall confirmation samples (SW-10A/10B through SW-15A/15B, SW-42A, SW-48A to SW-50A, SW-50B, SW-51A/51B to SW-53A/53B, and SW-57 to SW-61). Additionally, six (6) deferral delineation samples (VD-1 to VD-6) were collected at depths ranging from zero to six (0-6) inches to eleven (11) feet bgs to ensure the vertical delineation was achieved for the impacts being left in place between the heater treater and surrounding separators. Analytical results indicated that SW-10A, SW-11A, SW-13A through SW-15A, SW-50A to SW-53A at zero to four (0-4) ft



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bgs exhibited TPH and/or chloride concentrations above Table I Closure Criteria. SW-11B, SW-13B, SW-14B, and SW-15B at four (4)o twelve-and-a-half (4-12.5) ft bgs also exhibited TPH and/or chloride concentrations above Table I Closure Criteria. SW-50A to SW-53A, and SW-59 at (0-4') ft bgs also exhibited TPH and/or chloride concentrations above Table I Closure Criteria. SW-57, SW-58, and SW-61 exhibited chloride concentrations above Table I Closure Criteria for surface to four (4) ft bgs per rule 12.15.29.13. Analytical results for deferral delineation samples VD-2 at (0-6" to 3-3.5') ft bgs and VD-5, VD-6, at (0-6" to 1-1.5') ft bgs indicated impacts left in place near the heater treater and separators were above Table I Closure Criteria for surface to four (4) ft bgs. Analytical results indicated that VD-3 and VD-4 at five (5) ft bgs were above Table I Closure Criteria for areas near the heater treater.

After further expansion by Standard of sidewalls and additional vertical excavations due to the exceedances above Table I Closure Criteria, NTGE conducted a final confirmation sampling event, whereby two (2) bottom hole confirmation samples, and three (3) sidewall confirmation samples were collected on December 13, 2023. Analytical results indicated that all samples were below regulatory standards, except for SW-56, which displayed chloride concentrations above Table I Closure Criteria. The final excavation extent is shown in Figure 4 and confirmation sample locations are shown in Figures 5, 5A, and 5B. Analytical results of the confirmation samples are included in Table 2 – Confirmation Samples, and the Laboratory Analytical Reports provided in Attachment D. A photographic log is provided as Attachment B and Confirmation Sampling Notifications are provided as Attachment C.

On March 23, 2023, NTGE on behalf of Earthstone submitted an email requesting an extension for the project remediation activities. The extension was granted on March 24, 2023, by the NMOCD for an additional 90 days. Additionally, NTGE submitted an extension request on December 20, 2023, for an additional 90 days because remedial activities were still ongoing. The request was approved by the NMOCD on December 21, 2023.

## 6. Soils Disposition and Backfill Activities

Between March 9 and October 9, 2023, approximately 4,039.56 tons of impacted soils were transported offsite for disposal at Lea Land, LLC off US HWY 62/180, 30 miles east of Carlsbad, New Mexico.

## 7. Closing and Deferral Request

Based on the assessment, remediation efforts, and confirmation sampling, the Site is in compliance with NMOCD regulatory standards with the exception of soil samples SW-10B through SW-15B, SW-50B, SW-51B, SW-52B, SW-53B, SW-56, SW-57, and SW-61, which could not be further remediated without compromising the structural integrity of the sidewalls that hold in place flowlines for the VRU and Flare. Therefore, approximately five-hundred and fifty-seven (557) square feet of impacted soil ranging from surface to 12.5' bgs was left in-situ at the Site around the VRU and Flare flowlines. As such,

deferral sample VD-1 (0-6” to 4-4.5’) was collected to vertically delineate the area near the above referenced sidewalls. Analytical results indicated VD-1 exhibited concentrations below Table I Closure Criteria for benzene, BTEX, TPH, and chlorides.

In addition, soil samples SW-41, SW-42A, SW-58, SW-59, CS116, and CS-117 could not be further remediated without destabilizing the area around the heater treater as it is sandy. As such, deferral samples VD-3 and VD-4 @ (5’-11’) bgs were collected to vertically delineate the area around the heater treater. Analytical results indicated VD-3 and VD-4 @ five (5’) bgs yielded concentrations above Table I Closure Criteria for TPH, however delineation was achieved with deeper samples. Therefore, approximately one (1) foot of 223 square feet of impacted soil was left in-situ at the site around the heater treater.

Similarly, soil sample SW-44 was above Table I Closure Criteria for TPH and unable to be excavated further due to the heater treater and proximity of separators, which would damage the structural integrity of the equipment. Thus, deferral sample VD-2 from (0-6” to 8-8.5’) bgs and VD-6 from (0-6” to 1-1.5’) bgs was collected to vertically delineate the impacted area. Analytical results indicated VD-2 from (0-6” to 3-3.5’) ft bgs and VD-6 (0-6” to 1-1.5’) exhibited concentrations above Table I Closure Criteria for chlorides per NMAC 19.15.29.13 for Surface to (4) feet below grade and will be left in place until nearby equipment is moved or decommissioning of battery, whichever comes first. Hence, three-thousand eight hundred and seventy-seven (3,877) square feet of impacted material ranging from zero (0) to three-and-a-half (3.5’) ft bgs near the heater treater, to zero (0) to one-and-a-half (1.5’) around the separators was left in-situ at the site around that equipment. Vertical delineation was achieved with deeper samples.

The Release Notification, Site Assessment/Characterization, and Remediation Plan, portions of form C-141 area attached to the front of the report. Based upon supporting documentation provided in this report, NTGE, on behalf of Earthstone, respectfully requests a deferral of soils left in-situ for nAB1907841837, nAPP2300652445, and nAPP2201934969.

If you have any questions regarding this report or need additional information, please contact us at 432-766-1918.

Sincerely,
**NTG Environmental**

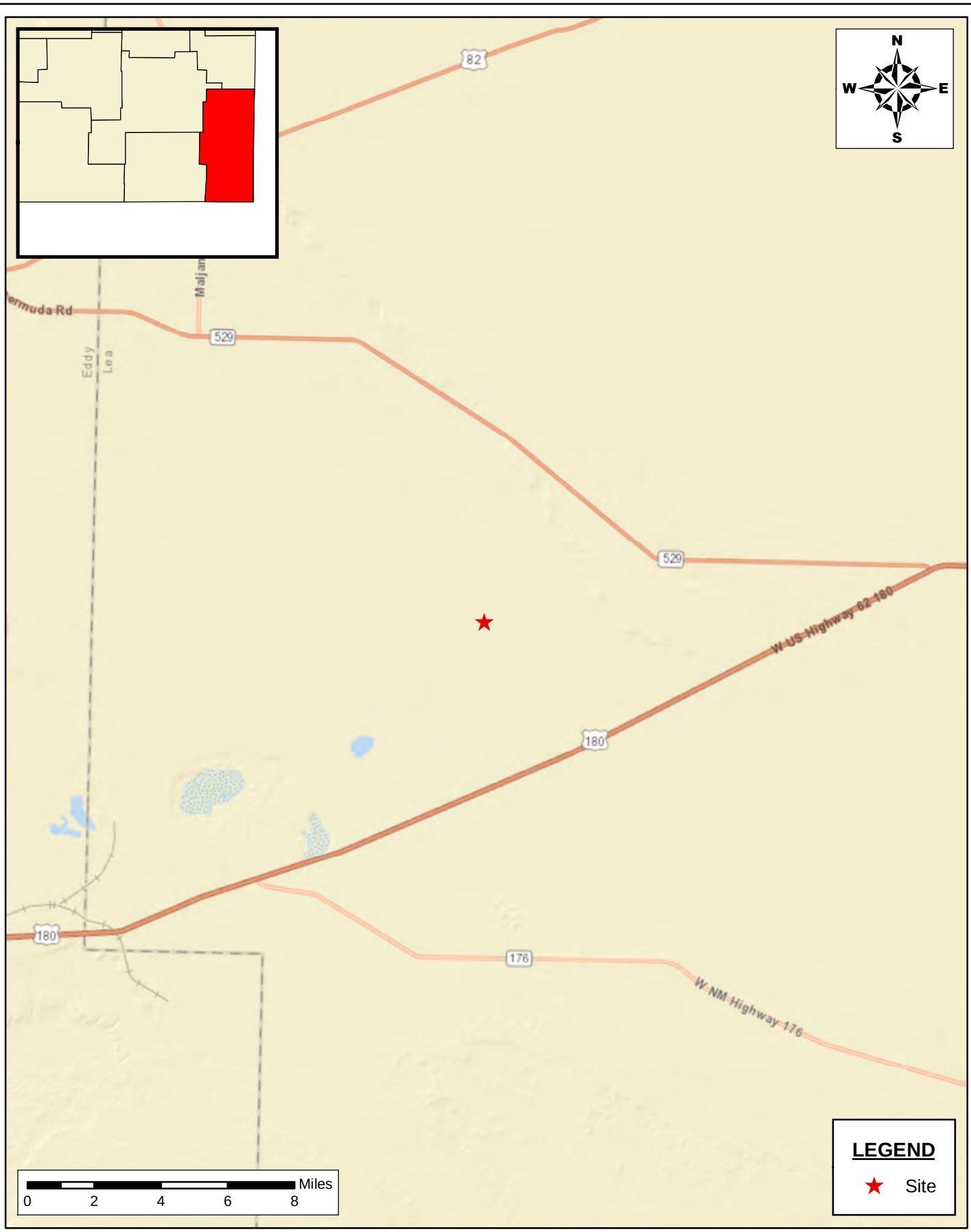
Nick Hart

Nick Hart
Project Manager

Attachments:

Figure 1 – Site Location Map
Figure 2 – Topographic Map
Figure 3 – Initial Assessment Sample Map
Figure 4 – Excavation Overview Map
Figure 5, 5A, 5B – Confirmation Sample Map
Figure 6 – Deferral Area Sample Map
Table 1 Summary of Soil Analytical Data – Initial Assessment Samples
Table 2 Summary of Soil Analytical Data – Confirmation/Deferral Samples
Table 3 Daily Disposal Summary
Attachment A – Site Characterization Documentation/TMW-1 Diagram
Attachment B – Photographic Log
Attachment C – Confirmation Sampling Notifications
Attachment D – Laboratory Reports and Chain-of-Custody Documents

# FIGURES




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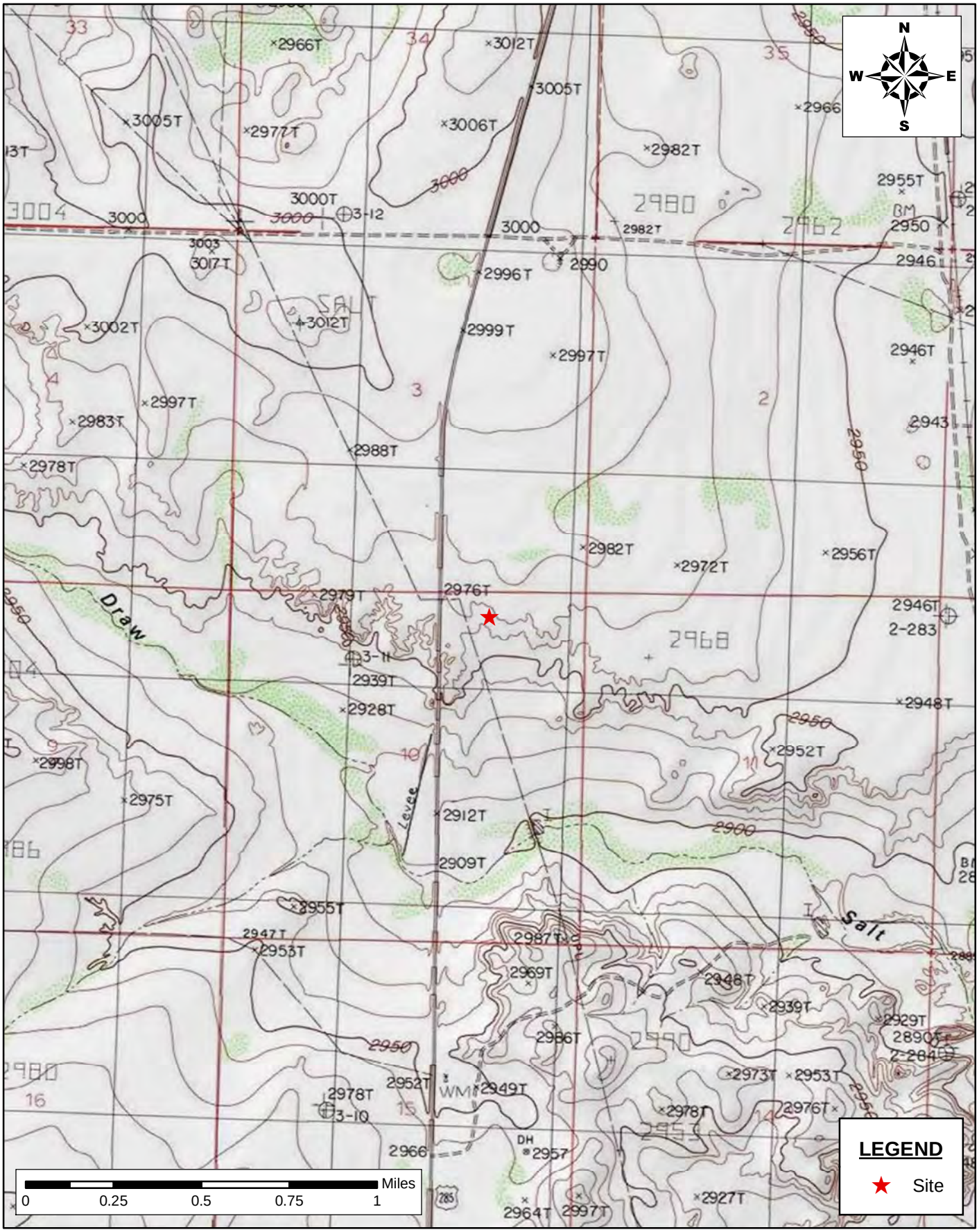
**Site Location Map**
Earthstone Energy
Diamondback 24-25 CTB
Lea County, New Mexico
32.668533°, -103.612933°

| SCALE: As Shown | DATE: 1/3/2023 | PROJECT #: 226700 |
|---|---|---|

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DRAWING NUMBER:
**FIGURE 1**
SHEET NUMBER:
**1 of 1**




Document Path: P:\2022 PROJECTS\EARTHSTONE ENERGY\RSC\226703 Salt Draw 10 State Com Battery\7 - Figures\GIS\Figure_2_Site Map_DH.mxd

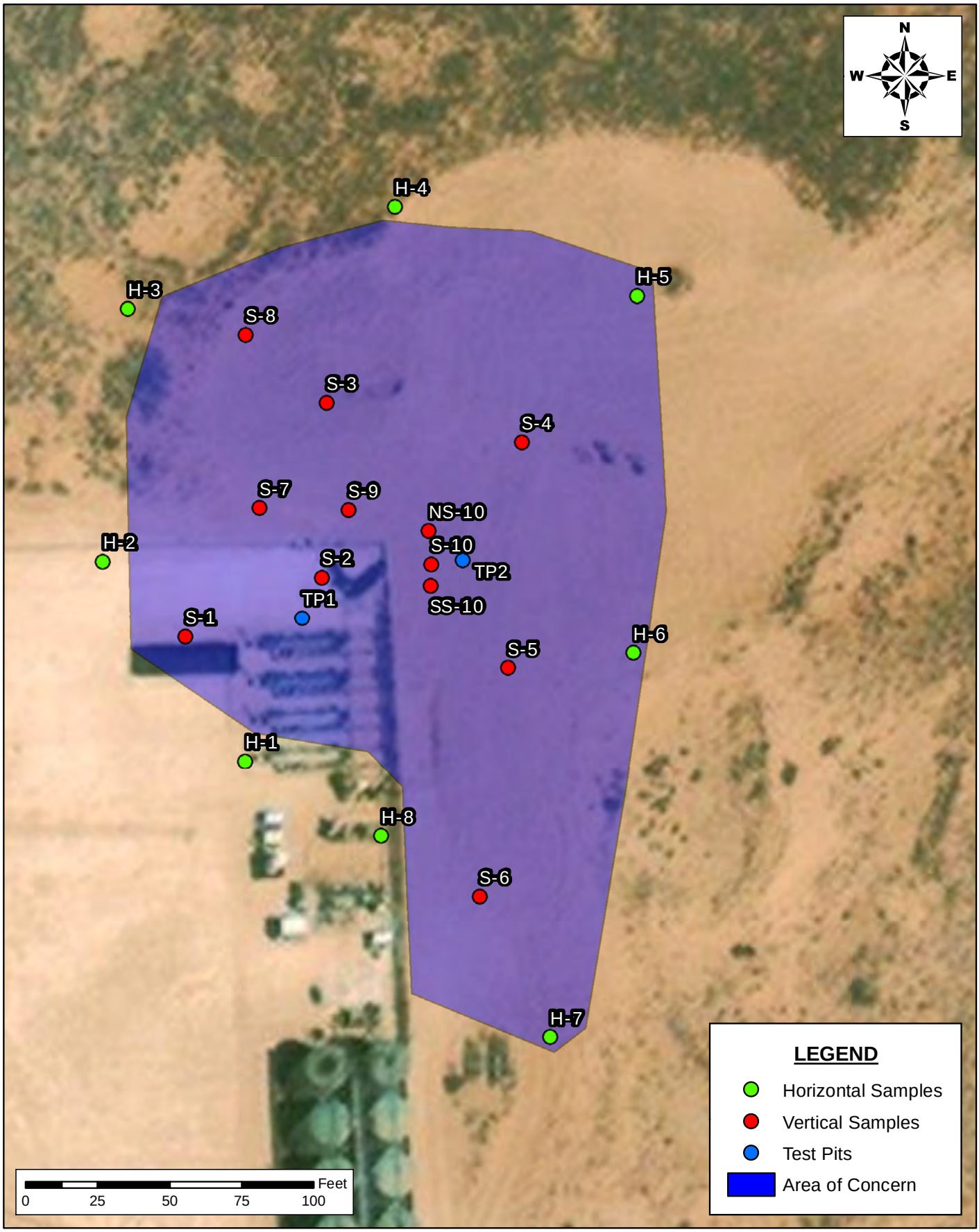
**Topographic Map**
Earthstone Energy
Diamondback 24-25 CTB
Lea County, New Mexico
32.652795°, -103.713401°

| SCALE: As Shown | DATE: 1/3/2023 | PROJECT #: 226700 |
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**FIGURE 2**
SHEET NUMBER:
**1 of 1**




**INITIAL ASSESSMENT MAP**
Earthstone Energy, INC
Diamondback 24-25 CTB
Lea County, New Mexico
32.652795°, -103.713401°

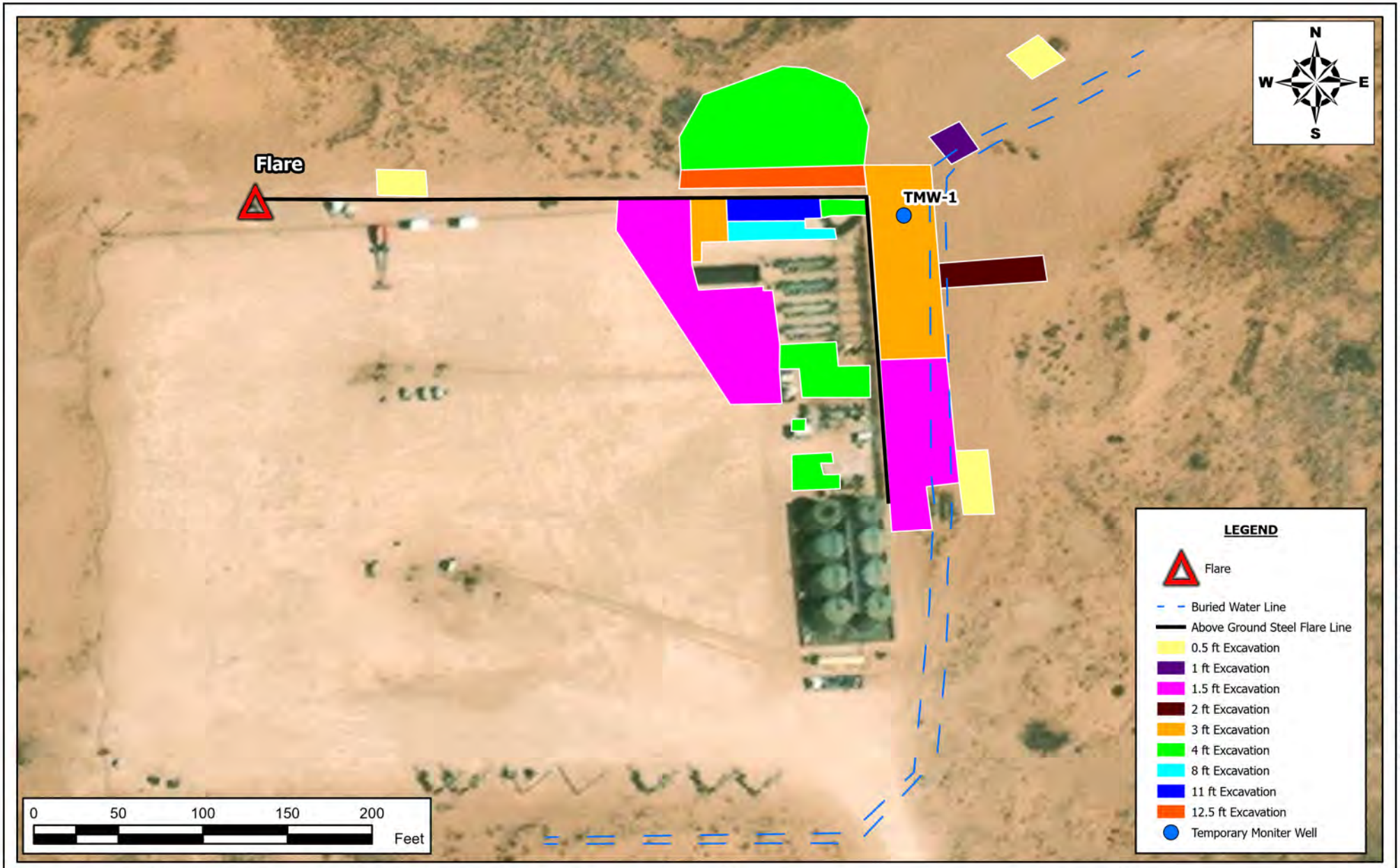
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**FIGURE 3**
SHEET NUMBER:
**1 of 1**

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1 of 1

SHEET NUMBER

FIGURE 4

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**EXCAVATION OVERVIEW MAP**
**CLOSURE/DEFERRAL REPORT**
DIAMONDBACK 24-25 CTB
EARTHSTONE ENERGY, INC
LEA COUNTY, NEW MEXICO

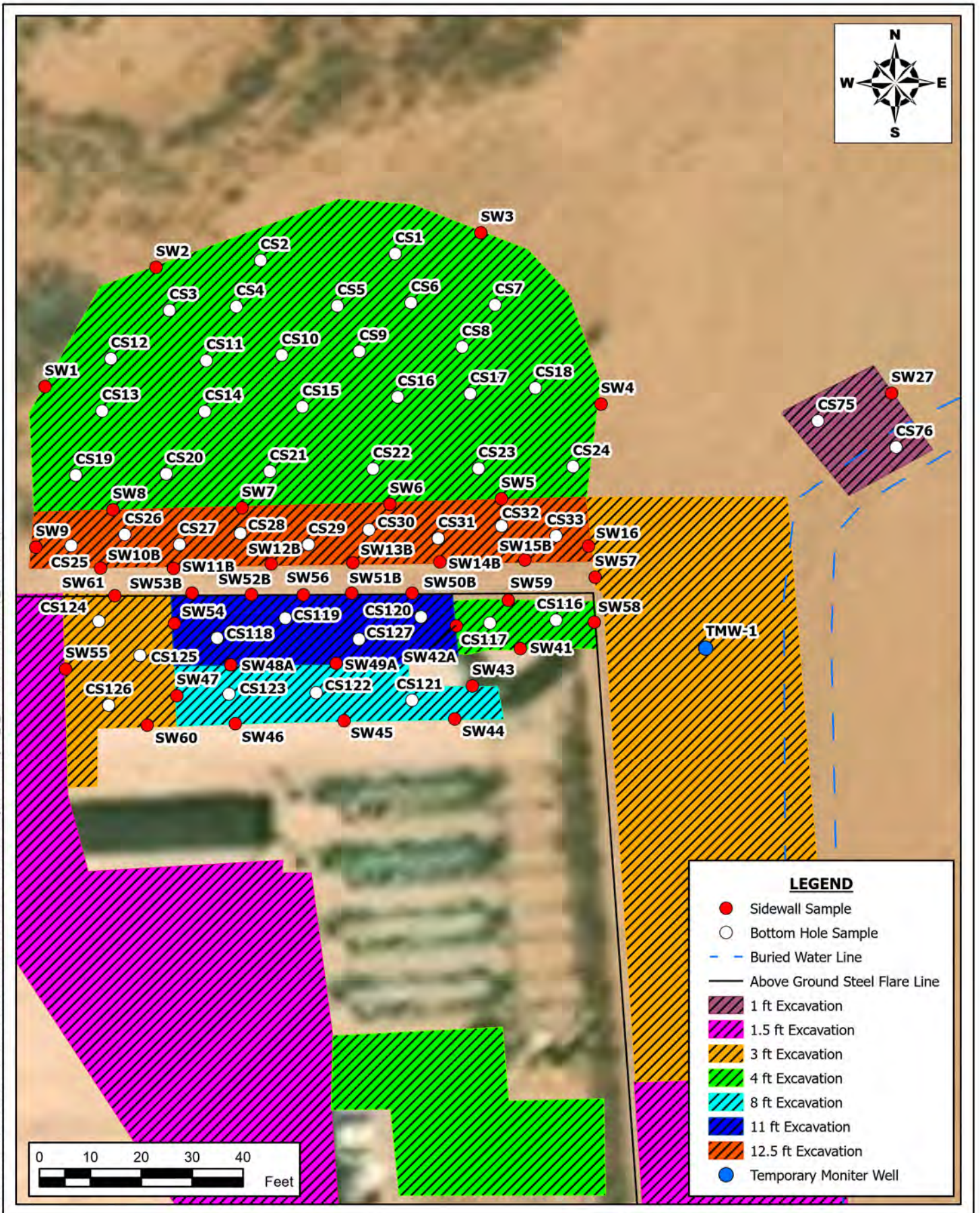
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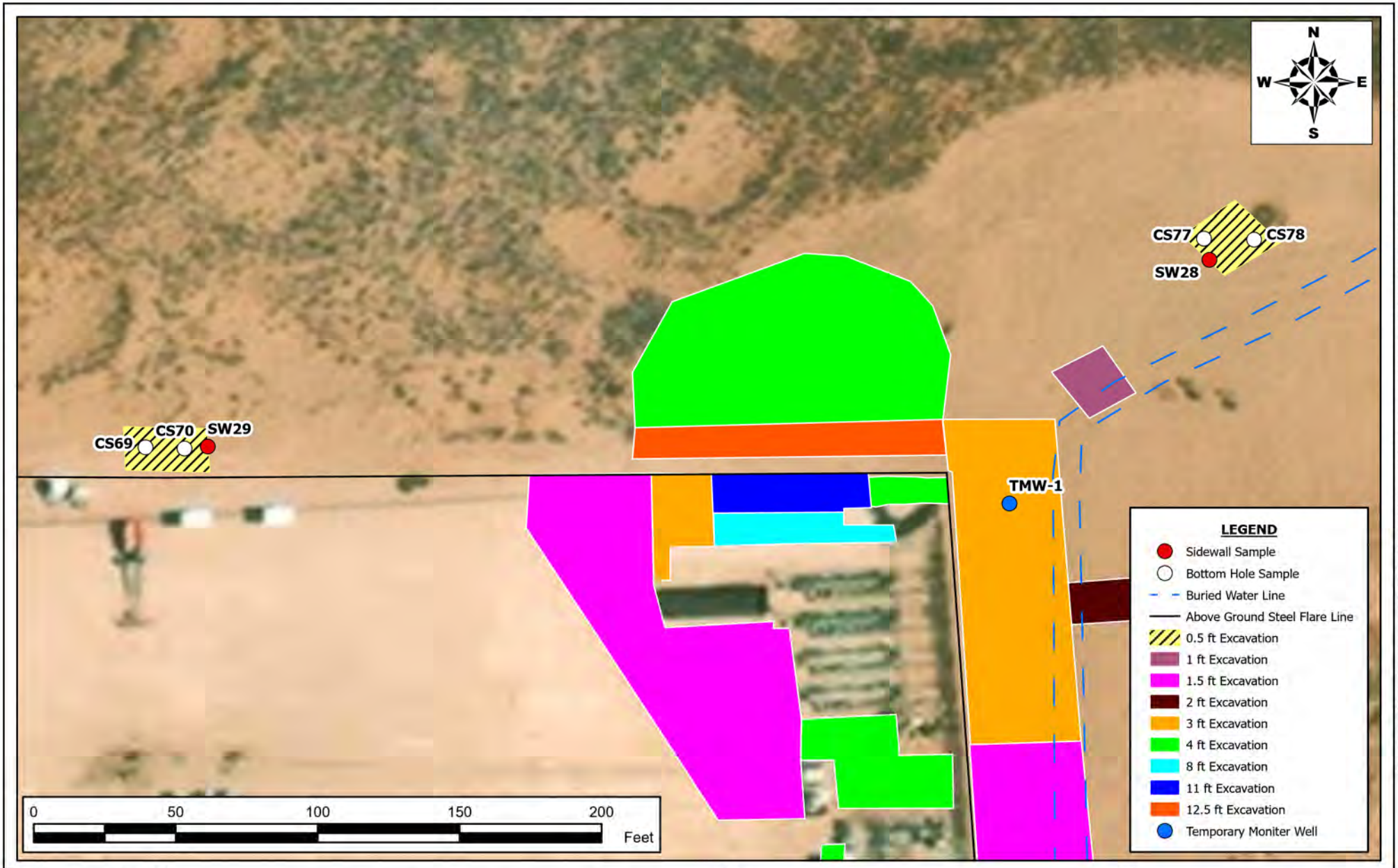
**CONFIRMATION SAMPLE MAP**
**CLOSURE/DEFERRAL REPORT**
DIAMONDBACK 24-25 CTB
EARTHSTONE ENERGY, INC
LEA COUNTY, NEW MEXICO

SCALE: As Shown | Date: 3/12/2024 | PROJECT #: 226700

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**FIGURE 5**
SHEET NUMBER:
**1 of 3**




2 of 3

SHEET NUMBER

FIGURE 5A

DRAWING NUMBER

**CONFIRMATION SAMPLE MAP**
**CLOSURE/DEFERRAL REPORT**
DIAMONDBACK 24-25 CTB
EARTHSTONE ENERGY, INC
LEA COUNTY, NEW MEXICO

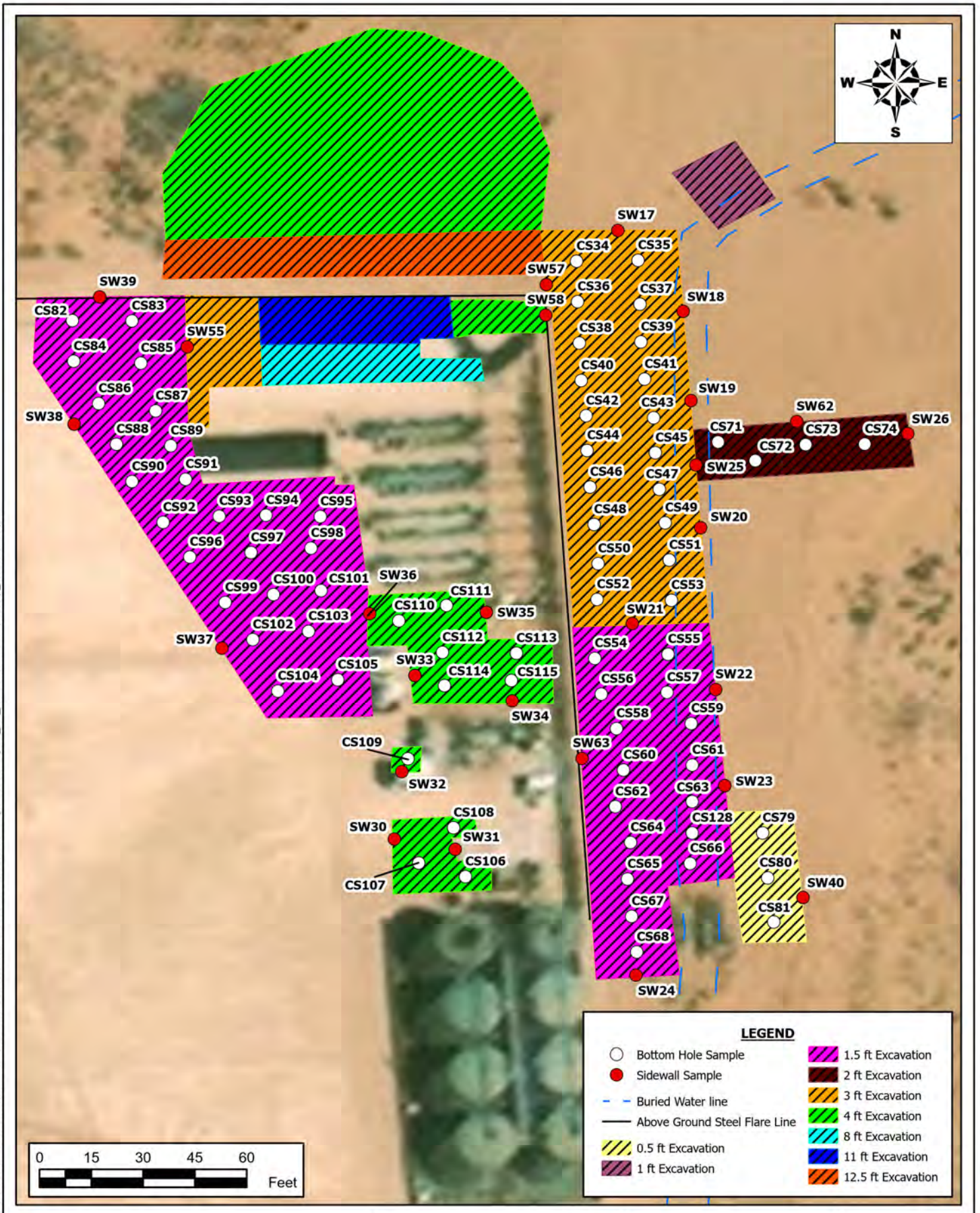
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**CONFIRMATION SAMPLE MAP**
**CLOSURE/DEFERRAL REPORT**
DIAMONDBACK 24-25 CTB
EARTHSTONE ENERGY, INC
LEA COUNTY, NEW MEXICO

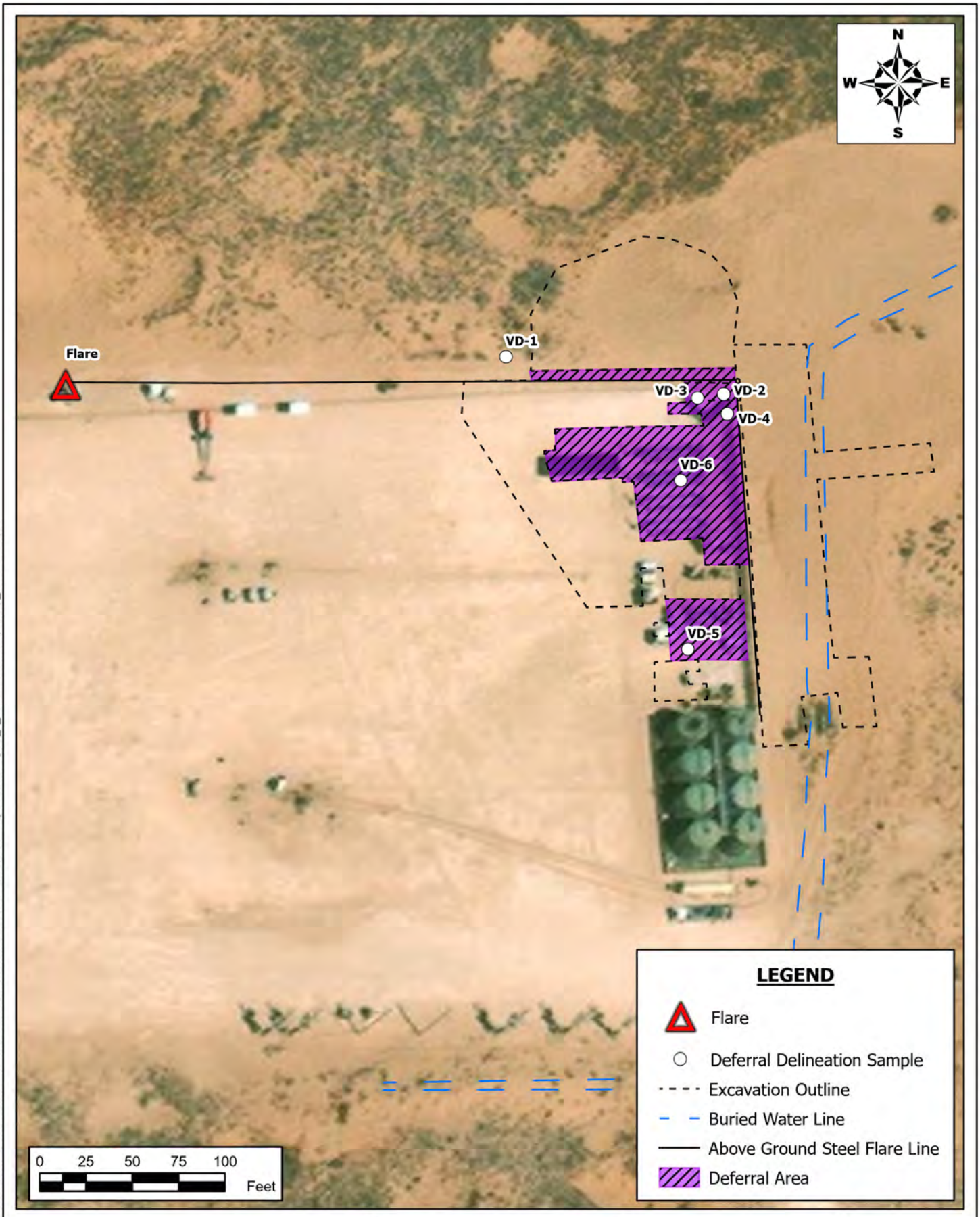
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**FIGURE 5B**
SHEET NUMBER:
**3 of 3**

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**DEFERRAL AREA SAMPLE MAP**
**CLOSURE/DEFERRAL REPORT**
DIAMONDBACK 24-25 CTB
EARTHSTONE ENERGY, INC
LEA COUNTY, NEW MEXICO

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DRAWING NUMBER:
**FIGURE 6**
SHEET NUMBER:
**1 of 1**

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# TABLE

**Table 1**
**Summary of Soil Analytical Data - Initial Assessment Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| Initial Assessment Samples | | | | | | | | | | | | | |
| S-1 | 1/5/2023 | 0-0.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 115 |
| | 1/5/2023 | 1-1.5' | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 1,210 |
| | 1/5/2023 | 2-2.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 73.3 |
| | 1/5/2023 | 3-3.5' | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 127 |
| | 1/5/2023 | 4-4.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 103 |
| | 1/5/2023 | 5-5.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 179 |
| S-2 | 1/5/2023 | 0-0.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 1,390 |
| | 1/5/2023 | 1-1.5' | **0.0437** | <0.00200 | <0.00200 | <0.00401 | **0.0437** | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 56.2 |
| | 1/5/2023 | 2-2.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 227 |
| | 1/5/2023 | 3-3.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 838 |
| | 1/5/2023 | 4-4.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 3,300 |
| | 1/5/2023 | 5-5.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 3,110 |
| S-3 | 1/5/2023 | 0-0.5' | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 84.8 |
| | 1/5/2023 | 1-1.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 64.1 |
| | 1/5/2023 | 2-2.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 110 |
| | 1/5/2023 | 3-3.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 103 |
| | 1/5/2023 | 4-4.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 132 |
| | 1/5/2023 | 5-5.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 148 |
| S-4 | 1/5/2023 | 0-0.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | **393** | **393** | **91.9** | **484.9** | 408 |
| | 1/5/2023 | 1-1.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 257 |
| | 1/5/2023 | 2-2.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 244 |
| | 1/5/2023 | 3-3.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 362 |
| | 1/5/2023 | 4-4.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 428 |
| | 1/5/2023 | 5-5.5' | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 558 |
| S-5 | 1/5/2023 | 0-0.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | **90.9** | **90.9** | <50.0 | **90.9** | 71.9 |
| | 1/5/2023 | 1-1.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 57.2 |
| | 1/5/2023 | 2-2.5' | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 42.2 |
| | 1/5/2023 | 3-3.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 124 |
| | 1/5/2023 | 4-4.5' | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 52.4 |
| | 1/5/2023 | 5-5.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 67.4 |
| S-6 | 1/5/2023 | 0-0.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 40.1 |
| | 1/5/2023 | 1-1.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 43.8 |
| | 1/5/2023 | 2-2.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 219 |
| | 1/5/2023 | 3-3.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 274 |
| | 1/5/2023 | 4-4.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 189 |
| | 1/5/2023 | 5-5.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 228 |
| H-1 | 1/5/2023 | 0-0.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 217 |
| H-2 | 1/5/2023 | 0-0.5' | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <49.9 | **96.8** | **96.8** | <49.9 | **96.8** | 10.1 |
| H-3 | 1/5/2023 | 0-0.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | **86.1** | **86.1** | <50.0 | **86.1** | 123 |

**Table 1**
**Summary of Soil Analytical Data - Initial Assessment Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| H-4 | 1/5/2023 | 0-0.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | **88.5** | **88.5** | <49.9 | **88.5** | **109** |
| H-4A | 8/16/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96** |
| H-5 | 1/5/2023 | 0-0.5' | **0.0859** | **0.0352** | **0.0809** | **0.126** | **0.328** | <49.9 | **130** | **130** | <49.9 | **130** | **63.6** |
| H-6 | 1/5/2023 | 0-0.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <50.0 | **126** | **126** | <50.0 | **126** | **336** |
| H-7 | 1/5/2023 | 0-0.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <50.0 | **122** | **122** | <50.0 | **122** | **110** |
| H-8 | 1/5/2023 | 0-0.5' | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <50.0 | **111** | **111** | <50.0 | **111** | **54.3** |
| H-9 | 8/1/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48** |
| H-10 | 8/1/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **11.2** | **11.2** | <10.0 | **11.2** | **16** |
| H-10A | 8/16/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| H-11 | 8/1/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| H-11A | 8/16/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **<16** |
| H-12 | 8/1/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **179** | **179** | **118** | **297** | **80** |
| H-12 A | 8/15/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| VH-12 | 8/15/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64** |
| | 8/15/2023 | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/15/2023 | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48** |
| | 8/15/2023 | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/15/2023 | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64** |
| | 8/15/2023 | 5-5.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **80** |
| H-13 | 8/1/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <100 | **10,600** | **10,600** | **2,890** | **13,490** | **1,380** |
| H-13 A | 8/15/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **240** |
| VH-13 | 8/15/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **18.3** | **18.3** | <10.0 | **18.3** | **5,120** |
| VH-13 | 8/15/2023 | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96** |
| | 8/15/2023 | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| | 8/15/2023 | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/15/2023 | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16 |
| | 8/15/2023 | 5-5.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16 |
| H-14 | 8/1/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **1,470** | **1,470** | **862** | **2,332** | **1,490** |
| H-14 A | 8/15/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64** |
| VH-14 | 8/15/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **3,800** |
| VH-14 | 8/15/2023 | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **128** |
| | 8/15/2023 | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| | 8/15/2023 | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| | 8/15/2023 | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/15/2023 | 5-5.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16 |
| H-15 | 8/1/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **64** | **64** | **50.2** | **114.2** | **48** |
| H-15 A | 8/15/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48** |

**Table 1**
**Summary of Soil Analytical Data - Initial Assessment Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| VH-15 | 8/15/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| | 8/15/2023 | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48** |
| | 8/15/2023 | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| | 8/15/2023 | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/15/2023 | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **240** |
| | 8/15/2023 | 5-5.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| H-16 | 8/16/2023 | Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16 |
| **Delineation Samples** | | | | | | | | | | | | | |
| S-2 | 3/10/2023 | 1-1.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **188** |
| | 3/10/2023 | 2-2.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | **19.8** |
| | 3/10/2023 | 3-3.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **21.5** |
| | 3/10/2023 | 4-4.5' | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | <49.9 | **93.9** | **93.9** | <49.9 | **93.9** | **42.3** |
| S-3 | 3/10/2023 | 1-1.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **14.8** |
| | 3/10/2023 | 2-2.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | <5.00 |
| | 3/10/2023 | 3-3.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | **102** |
| | 3/10/2023 | 4-4.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | <4.97 |
| S-4 | 3/10/2023 | 1-1.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **72.6** |
| | 3/10/2023 | 2-2.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **7.53** |
| | 3/10/2023 | 3-3.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | <4.95 |
| | 3/10/2023 | 4-4.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | **39.1** |
| S-5 | 3/10/2023 | 1-1.5' | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | <50.0 | **83.5** | **83.5** | <50.0 | **83.5** | **860** |
| | 3/10/2023 | 2-2.5' | <0.00994 | <0.00994 | <0.00994 | <0.0199 | <0.0199 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **129** |
| | 3/10/2023 | 3-3.5' | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **167** |
| | 3/10/2023 | 4-4.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | **128** |
| S-6 | 3/10/2023 | 1-1.5' | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | <49.9 | **101** | **101** | <49.9 | 101 | 852 |
| | 3/10/2023 | 2-2.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **25.6** |
| | 3/10/2023 | 3-3.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | **36.0** |
| | 3/10/2023 | 4-4.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **5.83** |
| S-7 | 3/10/2023 | 1-1.5' | <0.0998 | **2.96** | **7.68** | **20.8** | **31.4** | **606** | **5,660** | **6,266** | <249 | **6,270** | **4,580** |
| | 3/10/2023 | 2-2.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | **51.7** |
| | 3/10/2023 | 3-3.5' | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **18.4** |
| | 3/10/2023 | 4-4.5' | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **92.1** |
| S-8 | 3/10/2023 | 1-1.5' | <0.0498 | **9.33** | **10.2** | **39.6** | **59.1** | **1,380** | **4,730** | **6,110** | <250 | **6,110** | **1,360** |
| | 3/10/2023 | 2-2.5' | **0.056** | **9.06** | **9.18** | **36.5** | **54.8** | **1,440** | **4,060** | **5,500** | <250 | **5,500** | **1,170** |
| | 3/10/2023 | 3-3.5' | **0.203** | **18.1** | **15.3** | **60.3** | **93.9** | **2,170** | **5,240** | **7,410** | <250 | **7,412** | **1,630** |
| | 3/10/2023 | 4-4.5' | **0.101** | **0.305** | **0.274** | **2.34** | **3.02** | **71.1** | **245** | **316** | <49.9 | **316** | **4,060** |
| S-9 | 3/10/2023 | 1-1.5' | <0.0996 | **1.8** | **5.49** | **80.1** | **87.4** | **2,650** | **5,680** | **8,330** | <250 | **8,330** | **2,020** |
| | 3/10/2023 | 2-2.5' | <0.497 | **3.72** | **27.0** | **120** | **151** | **2,830** | **5,160** | **7,990** | <249 | **7,990** | **2,670** |
| | 3/10/2023 | 3-3.5' | <0.499 | **5.78** | **40.9** | **163** | **210** | **3,380** | **6,270** | **9,650** | <250 | **9,650** | **3,150** |
| | 3/10/2023 | 4-4.5' | <0.0996 | **1.52** | **8.59** | **29.2** | **39.3** | **2,880** | **5,750** | **8,630** | <250 | **8,630** | **3,480** |

**Table 1**
**Summary of Soil Analytical Data - Initial Assessment Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| S-10 | 3/10/2023 | 1-1.5' | <0.497 | 4.8 | 29.8 | 120 | 155 | 1,080 | 3,340 | 4,420 | <250 | 4,420 | 1,140 |
| | 3/10/2023 | 2-2.5' | <0.100 | 5.16 | 14.5 | 48.3 | 68 | 1,610 | 4,500 | 6,110 | <250 | 6,110 | 1,290 |
| | 3/10/2023 | 3-3.5' | <0.0498 | 0.294 | 0.72 | 2.89 | 3.9 | <49.9 | 251 | 251 | <49.9 | 251 | 1,930 |
| | 3/10/2023 | 4-4.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <50.0 | 156 | 156 | <50.0 | 156 | 4,070 |
| | 3/15/2023 | 8' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 1,310 |
| | 3/15/2023 | 10' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 4,800 |
| | 3/15/2023 | 14' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 4,800 |
| | 3/16/2023 | 16' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 2,340 |
| | 3/16/2023 | 17' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 1,790 |
| | 3/16/2023 | 19' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 2,880 |
| S-11 | 3/10/2023 | 1-1.5' | <0.00200 | <0.00200 | 0.00412 | 0.0164 | 0.0205 | <49.9 | 674 | 674 | <49.9 | 674 | 7,470 |
| | 3/10/2023 | 2-2.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | 95.4 | 95.4 | <49.9 | 95.4 | 846 |
| | 3/10/2023 | 3-3.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 296 |
| | 3/10/2023 | 4-4.5' | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <49.9 | 51.6 | 51.6 | <49.9 | 51.6 | 317 |
| S-12 | 3/10/2023 | 1-1.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | 75.8 | 75.8 | <49.9 | 75.8 | 2,270 |
| | 3/10/2023 | 2-2.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 2,740 |
| | 3/10/2023 | 3-3.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 312 |
| | 3/10/2023 | 4-4.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 323 |
| S-13 | 3/10/2023 | 1-1.5' | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | <50.0 | 167 | 167 | <50.0 | 167 | 3,490 |
| | 3/10/2023 | 2-2.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | 120 | 120 | <49.9 | 120 | 4,120 |
| | 3/10/2023 | 3-3.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 596 |
| | 3/10/2023 | 4-4.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 598 |
| S-14 | 3/10/2023 | 1-1.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 4,540 |
| | 3/10/2023 | 2-2.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | 135 | 135 | <50.0 | 135 | 3,120 |
| | 3/10/2023 | 3-3.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <50.0 | 135 | 135 | <50.0 | 135 | 414 |
| | 3/10/2023 | 4-4.5' | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 515 |
| S-15 | 3/10/2023 | 1-1.5' | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <50.0 | 195 | 195 | <50.0 | 195 | 5,470 |
| | 3/10/2023 | 2-2.5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 527 |
| | 3/10/2023 | 3-3.5' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | 52.6 | <49.9 | 52.6 | <49.9 | 52.6 | 1,030 |
| | 3/10/2023 | 4-4.5' | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 832 |
| S-16 | 7/31/2023 | 0-6'' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48 |
| | 7/31/2023 | 1'-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| | 7/31/2023 | 2'-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48 |
| | 7/31/2023 | 3'-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 64 |
| | 7/31/2023 | 4'-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 112 |
| S-17 | 7/31/2023 | 4'-4.5' | 0.066 | 1.72 | 3.12 | 9.84 | 14.7 | 388 | 4,770 | 5,158 | 876 | 6,034 | 1,020 |
| | 7/31/2023 | 5'-5.5' | <1.00 | 13 | 20.4 | 43.7 | 77.1 | 912 | 4,260 | 5,172 | 857 | 6,029 | 3,600 |
| | 7/31/2023 | 6'-6.5' | <1.00 | 6.18 | 13.8 | 30.7 | 50.7 | 1,100 | 6,580 | 7,680 | 1,330 | 9,010 | 3,280 |
| | 7/31/2023 | 7'-7.5' | <1.00 | 16.4 | 24 | 49.1 | 89.5 | 1,400 | 6,080 | 7,480 | 1,210 | 8,690 | 6,160 |
| | 7/31/2023 | 8'-8.5' | <1.00 | 3.16 | 8.15 | 19.7 | 31 | 649 | 5,070 | 5,719 | 1,100 | 6,819 | 7,760 |

**Table 1**
**Summary of Soil Analytical Data - Initial Assessment Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| S-18 | 8/1/2023 | 4'-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **19.7** | **19.7** | <10.0 | **19.7** | **48** |
| | 8/1/2023 | 5'-5.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| | 8/1/2023 | 6'-6.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **21.6** | **21.6** | <10.0 | **21.6** | **16** |
| | 8/1/2023 | 7'-7.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| | 8/1/2023 | 8'-8.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| S-19 | 8/1/2023 | 0-6'' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| | 8/1/2023 | 1'-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/1/2023 | 2'-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/1/2023 | 3'-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **17.7** | **17.7** | <10.0 | **17.7** | **64** |
| | 8/1/2023 | 4'-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **128** |
| S-20 | 7/31/2023 | 0-6'' | <0.050 | **1.09** | **1.6** | **4.73** | **7.43** | **105** | **3,120** | **3,225** | **647** | **3,872** | **176** |
| | 7/31/2023 | 1'-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **105** | **105** | **25.4** | **130.4** | **48** |
| | 7/31/2023 | 2'-2.5' | <0.050 | **0.056** | **0.122** | **0.032** | **0.5** | <10.0 | **200** | **200** | **47.9** | **247.9** | **32** |
| | 7/31/2023 | 3'-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96** |
| | 7/31/2023 | 4'-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **304** |
| S-21 | 8/1/2023 | 0-6'' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48** |
| | 8/1/2023 | 1'-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **128** |
| | 8/1/2023 | 2'-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **144** |
| | 8/1/2023 | 3'-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **160** |
| | 8/1/2023 | 4'-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **288** |
| S-22 | 8/1/2023 | 0-6'' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **256** |
| | 8/1/2023 | 1'-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **240** |
| | 8/1/2023 | 2'-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **400** |
| | 8/1/2023 | 3'-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **416** |
| | 8/1/2023 | 4'-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **272** |
| S-23 | 8/1/2023 | 0-6'' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **36.5** | **36.5** | <10.0 | **36.5** | **6,640** |
| | 8/1/2023 | 1'-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,730** |
| | 8/1/2023 | 2'-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **2,280** |
| | 8/1/2023 | 3'-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,280** |
| | 8/1/2023 | 4'-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,880** |
| S-24 | 8/1/2023 | 0-6'' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **2,590** | **2,591** | **776** | **3,367** | **4,480** |
| | 8/1/2023 | 1'-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **1,940** | **1,940** | **688** | **2,629** | **3,760** |
| | 8/1/2023 | 2'-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **816** |
| | 8/1/2023 | 3'-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **464** |
| | 8/1/2023 | 4'-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,260** |
| S-25 | 8/16/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/16/2023 | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48** |
| | 8/16/2023 | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/16/2023 | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |
| | 8/16/2023 | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16** |
| | 8/16/2023 | 5-5.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32** |

**Table 1**
**Summary of Soil Analytical Data - Initial Assessment Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| S-26 | 8/16/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48 |
| | 8/16/2023 | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| | 8/16/2023 | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| | 8/16/2023 | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| | 8/16/2023 | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| | 8/16/2023 | 5-5.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| S-7 | 3/13/2023 | 3' | <0.403 | 29.6 | 24.4 | 75.1 | 129 | 2,150 | 9,680 | 11,830 | 1,310 | 13,100 | 192 |
| | 3/13/2023 | 5' | <0.200 | 0.39 | 2.55 | 9.32 | 12.3 | 388 | 1,840 | 2,228 | 244 | 2,470 | 182 |
| | 3/13/2023 | 7' | <0.199 | <0.199 | <0.199 | <0.398 | <0.398 | <50.0 | 100 | 100 | <50.0 | 100 | 1,220 |
| | 3/13/2023 | 9' | <0.0994 | <0.0994 | <0.0994 | <0.199 | <0.199 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 8,260 |
| | 3/13/2023 | 11' | <0.0402 | <0.0402 | <0.0402 | <0.0805 | <0.0805 | <49.9 | 67.3 | 67.3 | <49.9 | 67.3 | 8,810 |
| | 3/13/2023 | 13' | <0.0399 | <0.0399 | <0.0399 | <0.0798 | <0.0798 | <49.9 | 65.4 | 65.4 | <49.9 | 65.4 | 7,840 |
| S-8 | 3/13/2023 | 1' | 1.01 | 85.5 | 100 | 165 | 351 | 3,730 | 17,400 | 21,130 | 3,030 | 24,160 | 52.8 |
| | 3/13/2023 | 3 | <0.00198 | 0.00318 | 0.00198 | 0.00238 | 0.00754 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 18.3 |
| | 3/13/2023 | 5' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | <5.01 |
| | 3/13/2023 | 7 | <0.00189 | <0.00189 | <0.00189 | <0.00377 | <0.00377 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | <5.00 |
| | 3/13/2023 | 9' | <0.00200 | 0.00550 | <0.00200 | <0.00401 | 0.0055 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | <4.99 |
| S-9 | 3/13/2023 | 2' | 1.2 | 71 | 60.2 | 132 | 264 | 4,140 | 15,500 | 19,640 | 2,210 | 21,850 | 59.2 |
| | 3/13/2023 | 4' | 2.81 | 60.4 | 38.8 | 90.7 | 193 | 3,110 | 3,760 | 6,870 | <250 | 6,870 | 237 |
| | 3/13/2023 | 6' | 0.962 | 41.7 | 34.3 | 71.1 | 148 | 3,060 | 3,380 | 6,440 | <250 | 6,440 | 3,110 |
| | 3/13/2023 | 8' | 1.96 | 123 | 76.5 | 123 | 324 | 4,800 | 3,740 | 8,540 | <250 | 8,540 | 2,610 |
| | 3/13/2023 | 10' | <0.0401 | 0.138 | 0.0602 | <0.0802 | 0.198 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 1,570 |
| | 3/13/2023 | 12' | 0.0568 | <0.0396 | <0.0396 | <0.0792 | <0.0792 | <49.9 | 64.7 | 64.7 | <49.9 | 64.7 | 2,630 |
| Test Pit Delineation Samples | | | | | | | | | | | | | |
| TP-1 | 2/13/2023 | 6' | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 3,160 |
| | 2/13/2023 | 8' | <0.00199 | <0.00199 | <0.00199 | 0.00676 | 0.00676 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 1,560 |
| | 2/13/2023 | 10' | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 152 |
| NS-10 | 3/16/2023 | 6' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 2,370 |
| | 3/16/2023 | 10' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 9,470 |
| SS-10 | 3/16/2023 | 6' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 18.4 | 18.4 | <10.0 | 18.4 | 3,520 |
| | 3/16/2023 | 10' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 5,920 |
| TP-2 | 3/16/2023 | 6' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 2,800 |
| | 3/16/2023 | 8' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 5,040 |
| | 3/16/2023 | 9' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 3,080 |
| | 3/16/2023 | 12' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 4,160 |
| | 3/16/2023 | 14 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 1,440 |
| | 3/16/2023 | 15 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 3,600 |
| | 3/16/2023 | 16 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 2,340 |
| Near Heater Treater | | | | | | | | | | | | | |
| SW-1 | 3/7/2023 | 0-5' | 2.62 | 29.8 | 19.1 | 110 | 164 | 2,580 | 9,580 | 12,160 | 1,200 | 13,400 | 1,060 |
| S-1 | 3/7/2023 | 5' | 0.372 | 26.8 | 24.3 | 46.1 | 97.6 | 1,740 | 5,850 | 7,590 | 744 | 8,330 | 4,200 |

**Table 1**
**Summary of Soil Analytical Data - Initial Assessment Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| Temporary Drilling | | | | | | | | | | | | | |
| TMW-1 | 6/13/2023 | (3-5') | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **992** |
| | 6/13/2023 | (8-10') | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <49.9 | **63.3** | **63.3** | <49.9 | **63.3** | **308** |
| | 6/13/2023 | (13-15') | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | <49.8 | **50.9** | **50.9** | <49.8 | **50.9** | **880** |
| | 6/13/2023 | (18-20') | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <50.0 | **151** | **151** | <50.0 | **151** | **239** |
| | 6/13/2023 | (23-25') | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | <50.0 | **55.7** | **55.7** | <50.0 | **55.7** | **240** |
| | 6/13/2023 | (28-30') | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | **449** |
| | 6/13/2023 | (33-35') | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **360** |
| | 6/13/2023 | (38-40') | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **308** |
| | 6/13/2023 | (43-45') | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | **91.3** |
| | 6/13/2023 | (48-50') | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | **69.6** |

Notes:
1. Values reported in mg/kg
2.< = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
~~SP-1~~ Sample Point Excavated
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 TableI Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

**Table 2**
**Summary of Soil Analytical Data - Confirmation Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| Bottom Hole Confirmation Samples | | | | | | | | | | | | | |
| CS-01 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| CS-02 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **160** |
| CS-03 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **37.4** | **37.4** | <10.0 | **37.4** | **128** |
| CS-04 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **621** | **621** | **88.9** | **709.9** | **1,740** |
| CS-05 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| CS-06 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-07 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **128** |
| CS-08 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **15.5** | **15.5** | <10.0 | **15.5** | **416** |
| CS-09 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **177** | **177** | **23.3** | **200.3** | **944** |
| CS-10 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **379** | **379** | **56.3** | **435.3** | **1,120** |
| CS-11 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **51.4** | **51.4** | **14.3** | **65.7** | **256** |
| CS-12 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **32.8** | **32.8** | <10.0 | **32.8** | **128** |
| CS-13 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-14 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **19.4** | **19.4** | <10.0 | **19.4** | **528** |
| CS-15 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **104** | **104** | **11.9** | **115.9** | **624** |
| CS-16 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **485** | **485** | **99.5** | **584.5** | **1,630** |
| CS-17 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **367** | **367** | **85.8** | **452.8** | **1,280** |
| CS-18 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **123** | **123** | **22.7** | **145.7** | **640** |
| CS-19 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **112** |
| CS-20 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **26.6** | **26.6** | <10.0 | **26.6** | **880** |
| CS-21 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **12.8** | **12.8** | <10.0 | **12.8** | **656** |
| CS-22 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **15.5** | **15.5** | <10.0 | **15.5** | **464** |
| CS-23 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **248** | **248** | **43.3** | **291.3** | **768** |
| CS-24 | 8/24/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **205** | **205** | **37.6** | **242.6** | **608** |
| CS-25 | 8/17/2023 | 12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **4,160** |
| CS-26 | 8/17/2023 | 12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **560** |
| CS-27 | 8/17/2023 | 12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96.0** |
| CS-28 | 8/17/2023 | 12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **7,200** |
| CS-29 | 8/17/2023 | 12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **592** |
| CS-30 | 8/17/2023 | 12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **35.1** | **35.1** | <10.0 | **35.1** | **1,120** |
| CS-31 | 8/17/2023 | 12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96.0** |
| CS-32 | 8/17/2023 | 12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **192** |
| CS-33 | 8/17/2023 | 12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **3,720** |
| CS-34 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-35 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **80.0** |
| CS-36 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **400** |
| CS-37 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-38 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **80.0** |
| CS-39 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **320** |
| CS-40 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **30.3** | **30.3** | <10.0 | **30.3** | **320** |
| CS-41 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **208** |
| CS-42 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **256** |
| CS-43 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |

**Table 2**
**Summary of Soil Analytical Data - Confirmation Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| CS-44 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **240** |
| CS-45 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96.0** |
| CS-46 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **240** |
| CS-47 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-48 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **176** |
| CS-49 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **256** |
| CS-50 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **208** |
| CS-51 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **192** |
| CS-52 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **160** |
| CS-53 | 8/18/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **288** |
| CS-54 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **128** |
| CS-55 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **80.0** |
| CS-56 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **112** |
| CS-57 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **112** |
| CS-58 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-59 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-60 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **80.0** |
| CS-61 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **160** |
| CS-62 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-63 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-64 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-65 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **80.0** |
| CS-66 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-67 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-68 | 8/18/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **80.0** |
| CS-69 | 8/24/2023 | 0.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| CS-70 | 8/24/2023 | 0.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| CS-71 | 8/24/2023 | 2' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| CS-72 | 8/24/2023 | 2' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| CS-73 | 8/24/2023 | 2' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-74 | 8/24/2023 | 2' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-75 | 8/24/2023 | 1' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-76 | 8/24/2023 | 1' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-77 | 8/24/2023 | 0.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| CS-78 | 8/24/2023 | 0.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| CS-79 | 8/24/2023 | 0.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-80 | 8/24/2023 | 0.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-81 | 8/24/2023 | 0.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-82 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| CS-83 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| CS-84 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-85 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-86 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-87 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |

**Table 2**
**Summary of Soil Analytical Data - Confirmation Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| CS-88 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-89 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-90 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-91 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-92 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-93 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-94 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-95 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-96 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| CS-97 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-98 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-99 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-100 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| CS-101 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| CS-102 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| CS-103 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **176** |
| CS-104 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96.0** |
| CS-105 | 8/30/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **128** |
| CS-106 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **784** |
| CS-107 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **576** |
| CS-108 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **896** |
| CS-109 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **144** |
| CS-110 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **37.2** | **37.2** | <10.0 | **37.2** | **48.0** |
| CS-111 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96.0** |
| CS-112 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-113 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| CS-114 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96.0** |
| CS-115 | 8/30/2023 | 4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **192** |
| CS-116 | 9/19/2023 | 4' | <0.050 | **0.063** | **0.255** | **1.88** | **2.2** | **264** | **8,840** | **9,104** | **1,890** | **10,994** | **2,840** |
| CS-117 | 9/19/2023 | 4' | <0.050 | **0.686** | **1.5** | **16.1** | **18.3** | **811** | **6,430** | **7,241** | **1,300** | **8,541** | **2,120** |
| CS-118 | 9/19/2023 | 11' | <0.050 | <0.050 | **0.090** | **0.512** | **0.602** | **13.9** | **465** | **478.9** | **92.9** | **571.8** | **1,950** |
| CS-119 | 9/19/2023 | 11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **560** |
| CS-120 | 9/19/2023 | 11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **215** | **215** | **44.8** | **259.8** | **1,840** |
| CS-121 | 9/19/2023 | 8' | <0.050 | <0.050 | <0.050 | **0.161** | <0.300 | <10.0 | **925** | **925** | **206** | **1,131** | **480** |
| CS-122 | 9/19/2023 | 8' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **168** | **168** | **33.6** | **201.6** | **128** |
| CS-123 | 9/19/2023 | 8' | <0.050 | <0.050 | **0.093** | **0.488** | **0.581** | **25.7** | **738** | **763.7** | **144** | **907.7** | **192** |
| CS-124 | 9/19/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **34.4** | **34.4** | **13.6** | **48** | **512** |
| CS-125 | 9/19/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | **12.6** | **864** | **876.6** | **192** | **1,069** | **496** |
| CS-126 | 9/19/2023 | 3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **11.0** | **11.0** | <10.0 | **11.0** | **48.0** |
| CS-127 | 12/13/2023 | 11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **224** |
| CS-128 | 12/13/2023 | 1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| **Sidewall Samples** | | | | | | | | | | | | | |
| SW-01 | 8/24/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| SW-02 | 8/24/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |

**Table 2**
**Summary of Soil Analytical Data - Confirmation Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| SW-03 | 8/24/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SW-04 | 8/24/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SW-05 | 8/24/2023 | 4-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 64.0 |
| SW-06 | 8/24/2023 | 4-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 29.3 | 29.3 | <10.0 | 29.3 | 352 |
| SW-07 | 8/24/2023 | 4-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 34.5 | 34.5 | <10.0 | 34.5 | 288 |
| SW-08 | 8/24/2023 | 4-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 224 |
| SW-09 | 8/24/2023 | 0-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48.0 |
| SW-10 | 8/30/2023 | 0-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 6,640 |
| SW-10A | 10/9/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 7,160 | 7,160 | 1,810 | 9,970 | 64.0 |
| SW-10B | 10/9/2023 | 4-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 7,100 |
| SW-11 | 8/30/2023 | 0-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 7,680 |
| SW-11A | 10/9/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 1,150 | 1,150 | 316 | 1,466 | 32.0 |
| SW-11B | 10/9/2023 | 4-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 24,000 |
| SW-12 | 8/30/2023 | 0-12.5' | <0.050 | 2.76 | 5.93 | 19.5 | 28.2 | 301 | 5,570 | 5,871 | 1,040 | 6,911 | 2,480 |
| SW-12A | 10/9/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| SW-12B | 10/9/2023 | 4-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 12,400 |
| SW-13 | 8/30/2023 | 0-12.5' | <0.050 | 0.277 | 1.03 | 3.08 | 4.39 | 85.7 | 3,000 | 3,086 | 602 | 3,688 | 4,560 |
| SW-13A | 10/9/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 5,420 | 5,420 | 1,320 | 6,740 | 128 |
| SW-13B | 10/9/2023 | 4-12.5' | <0.050 | <0.050 | 0.064 | <0.150 | <0.300 | 56.0 | 12,200 | 12,256 | 2,960 | 15,216 | 160 |
| SW-14 | 8/30/2023 | 0-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 208 |
| SW-14A | 10/9/2023 | 0-4' | <0.050 | 0.311 | 0.489 | 7.45 | 8.25 | 319 | 15,300 | 15,619 | 3,940 | 19,559 | 64.0 |
| SW-14B | 10/9/2023 | 4-12.5' | <0.050 | 0.099 | 0.123 | 0.424 | 0.646 | 273 | 10,400 | 10,673 | 1,980 | 12,653 | 2,600 |
| SW-15 | 8/30/2023 | 0-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 608 |
| SW-15A | 10/9/2023 | 0-4' | <0.050 | <0.050 | <0.050 | 0.549 | 0.549 | 61.7 | 14,500 | 14,562 | 3,480 | 18,042 | 80.0 |
| SW-15B | 10/9/2023 | 4-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 30,800 |
| SW-16 | 8/24/2023 | 3-12.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| SW-17 | 8/24/2023 | 0-3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| SW-18 | 8/24/2023 | 0-3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 64.0 |
| SW-19 | 8/24/2023 | 0-3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 192 |
| SW-20 | 8/24/2023 | 0-3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 128 |
| SW-21 | 8/24/2023 | 1.5-3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 176 |
| SW-22 | 8/24/2023 | 0-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| SW-23 | 8/24/2023 | 0-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SW-24 | 8/24/2023 | 0-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| SW-25 | 8/24/2023 | 2-3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 112 |
| SW-26 | 8/24/2023 | 0-2' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SW-27 | 8/30/2023 | 0-1' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| SW-28 | 8/30/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SW-29 | 8/30/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48.0 |
| SW-30 | 8/30/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 128 |
| SW-31 | 8/30/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48.0 |
| SW-32 | 8/30/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SW-33 | 8/30/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 384 |
| SW-34 | 8/30/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 304 |

**Table 2**
**Summary of Soil Analytical Data - Confirmation Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| SW-35 | 8/30/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| SW-36 | 8/30/2023 | 1.5-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **80.0** |
| SW-37 | 8/30/2023 | 0-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **448** |
| SW-38 | 8/30/2023 | 0-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **512** |
| SW-39 | 8/30/2023 | 0-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **432** |
| SW-40 | 8/30/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **96.0** |
| SW-41 | 9/19/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **2,030** |
| ~~SW-42~~ | ~~9/19/2023~~ | ~~4-11'~~ | ~~<0.050~~ | ~~<0.050~~ | ~~<0.050~~ | ~~<0.150~~ | ~~<0.300~~ | ~~<10.0~~ | ~~151~~ | ~~151~~ | ~~33.4~~ | ~~154.4~~ | ~~1,120~~ |
| SW-42A | 10/9/2023 | 4-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **60.1** | **60.1** | <10.0 | **60.1** | **1,890** |
| SW-43 | 9/19/2023 | 0-8' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **18.3** | **18.3** | <10.0 | **18.3** | **80.0** |
| SW-44 | 9/19/2023 | 0-8' | <0.050 | <0.050 | **0.093** | **0.600** | **0.693** | **41.6** | **896** | **937.6** | **155** | **1,093** | **32.0** |
| SW-45 | 9/19/2023 | 0-8' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| SW-46 | 9/19/2023 | 0-8' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **48.0** |
| SW-47 | 9/19/2023 | 3-8' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **64.0** |
| ~~SW-48~~ | ~~9/19/2023~~ | ~~8-11'~~ | ~~<0.050~~ | ~~<0.050~~ | ~~0.177~~ | ~~0.902~~ | ~~1.08~~ | ~~24.1~~ | ~~1,010~~ | ~~1,034~~ | ~~176~~ | ~~1,210~~ | ~~320~~ |
| SW-48A | 10/9/2023 | 8-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **485** | **485** | **115** | **600** | **560** |
| ~~SW-49~~ | ~~9/19/2023~~ | ~~8-11'~~ | ~~<0.050~~ | ~~<0.050~~ | ~~<0.050~~ | ~~<0.150~~ | ~~<0.300~~ | ~~<10.0~~ | ~~153~~ | ~~153~~ | ~~34.1~~ | ~~187.1~~ | ~~880~~ |
| SW-49A | 10/9/2023 | 8-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **52.4** | **52.4** | <10.0 | **52.4** | **256** |
| SW-50 | 9/19/2023 | 0-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **370** | **370** | **65.6** | **435.6** | **9,200** |
| SW-50A | 10/9/2023 | 0-4' | <0.050 | <0.050 | **0.159** | **0.514** | **0.673** | **112** | **8,750** | **8,862** | **1,810** | **10,672** | **1,250** |
| SW-50B | 10/9/2023 | 4-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **190** | **190** | **53.1** | **243.1** | **7,500** |
| SW-51 | 9/19/2023 | 0-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **11.8** | **11.8** | <10.0 | **11.8** | **6,160** |
| SW-51A | 10/9/2023 | 0-4' | <0.050 | <0.050 | **0.164** | **0.571** | **0.735** | **145** | **8,820** | **8,965** | **1,880** | **10,845** | **912** |
| SW-51B | 10/9/2023 | 4-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **234** | **234** | **67.9** | **301.9** | **7,730** |
| SW-52 | 9/19/2023 | 0-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **5,280** |
| SW-52A | 10/9/2023 | 0-4' | <0.050 | <0.050 | **0.33** | **1.04** | **1.37** | **221** | **8,360** | **8,581** | **1,730** | **10,311** | **384** |
| SW-52B | 10/9/2023 | 4-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **287** | **287** | **77.1** | **364.1** | **6,800** |
| SW-53 | 9/19/2023 | 3-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 121 | 121 | 25.0 | **146** | **992** |
| SW-53A | 10/9/2023 | 0-4' | <0.050 | <0.050 | **0.266** | **0.949** | **1.22** | **219** | **10,100** | **10,319** | **2,130** | **12,449** | **592** |
| SW-53B | 10/9/2023 | 4-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **446** | **446** | **121** | **567** | **5,860** |
| SW-54 | 9/19/2023 | 1-3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **80.0** |
| SW-55 | 9/19/2023 | 0-3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| SW-56 | 12/13/2023 | 0-11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **264** | **264** | **56.6** | **320.6** | **10,000** |
| SW-57 | 10/9/2023 | 0-3' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,490** |
| SW-58 | 10/9/2023 | 0-4' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **992** |
| SW-59 | 10/9/2023 | 0-4' | <0.050 | <0.050 | **0.050** | **1.67** | **1.72** | **149** | **13,100** | **13,249** | **2,960** | **16,209** | **2,120** |
| SW-60 | 10/9/2023 | 0-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **112** |
| SW-61 | 10/9/2023 | 0-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **32.1** | **32.1** | <10.0 | **32.1** | **1,410** |
| SW-62 | 12/13/2023 | 0-2' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| SW-63 | 12/13/2023 | 0-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **16.0** |
| **Differal Samples** | | | | | | | | | | | | | |
| VD-1 | 10/9/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| | | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| | | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |

**Table 2**
**Summary of Soil Analytical Data - Confirmation Samples**
**Diamondback 24-25 Fed Com Battery**
**Earthstone Energy**
**Lea County, New Mexico**

| Sample ID | Sample Date | Depth (ft bgs) | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH | | | | | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GRO (C6-C10) | DRO (C10-C28) | GRO + DRO (C6-C28) | MRO (C28-C35) | Total GRO/DRO/MRO (C6-C35) | |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC | | | | | | | | | | |
| | | | 10 mg/kg | --- | --- | --- | 50 mg/kg | --- | --- | 1,000 mg/kg | --- | 2,500 mg/kg | 20,000 mg/kg |
| | | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| | | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **32.0** |
| VD-2 | 10/9/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | **18.2** | **18.2** | <10.0 | **18.2** | **9,330** |
| | | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,060** |
| | | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,470** |
| | | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,540** |
| | | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,260** |
| | | 5-5.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **2,050** |
| | | 6-6.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **3,080** |
| | | 7-7.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,440** |
| | | 8-8.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **400** |
| VD-3 | 10/9/2023 | 5' | <1.00 | **1.55** | **2.16** | **34.0** | **37.8** | **1,090** | **6,290** | **7,380** | **1,210** | **8,590** | **1,170** |
| | | 6' | <0.050 | **0.067** | **0.166** | **1.9** | **2.13** | **71.6** | **935** | **1,007** | **172** | **1,179** | **3,280** |
| | | 7' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,250** |
| | | 8' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **2,320** |
| | | 9' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **5,760** |
| | | 10' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **6,000** |
| | | 11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **880** |
| VD-4 | 10/9/2023 | 5' | <0.100 | **1.25** | **1.57** | **25.5** | **28.4** | **1,130** | **9,560** | **10,690** | **1,960** | **12,650** | **960** |
| | | 6' | <0.050 | <0.050 | 0.117 | 1.35 | 1.47 | 123 | 1,520 | 1,643 | 306 | **1,949** | **1,520** |
| | | 7' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,100** |
| | | 8' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **2,000** |
| | | 9' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **5,920** |
| | | 10' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **5,920** |
| | | 11' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **928** |
| VD-5 | 12/13/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **8,260** |
| | | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,720** |
| | | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **432** |
| | | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **384** |
| | | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **272** |
| VD-6 | 12/13/2023 | 0-6" | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **6,400** |
| | | 1-1.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **1,710** |
| | | 2-2.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **288** |
| | | 3-3.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **368** |
| | | 4-4.5' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | **160** |

Notes:
1. Values reported in mg/kg
2.< = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 TableI Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

~~SP-1~~ Sample Point Excavated

**Table 3**
**Daily Disposal Summary**
**Diamondback 24-25 CTB**
**Earthstone Operating, LLC (Permian Resources)**
**Lea, County, New Mexico**

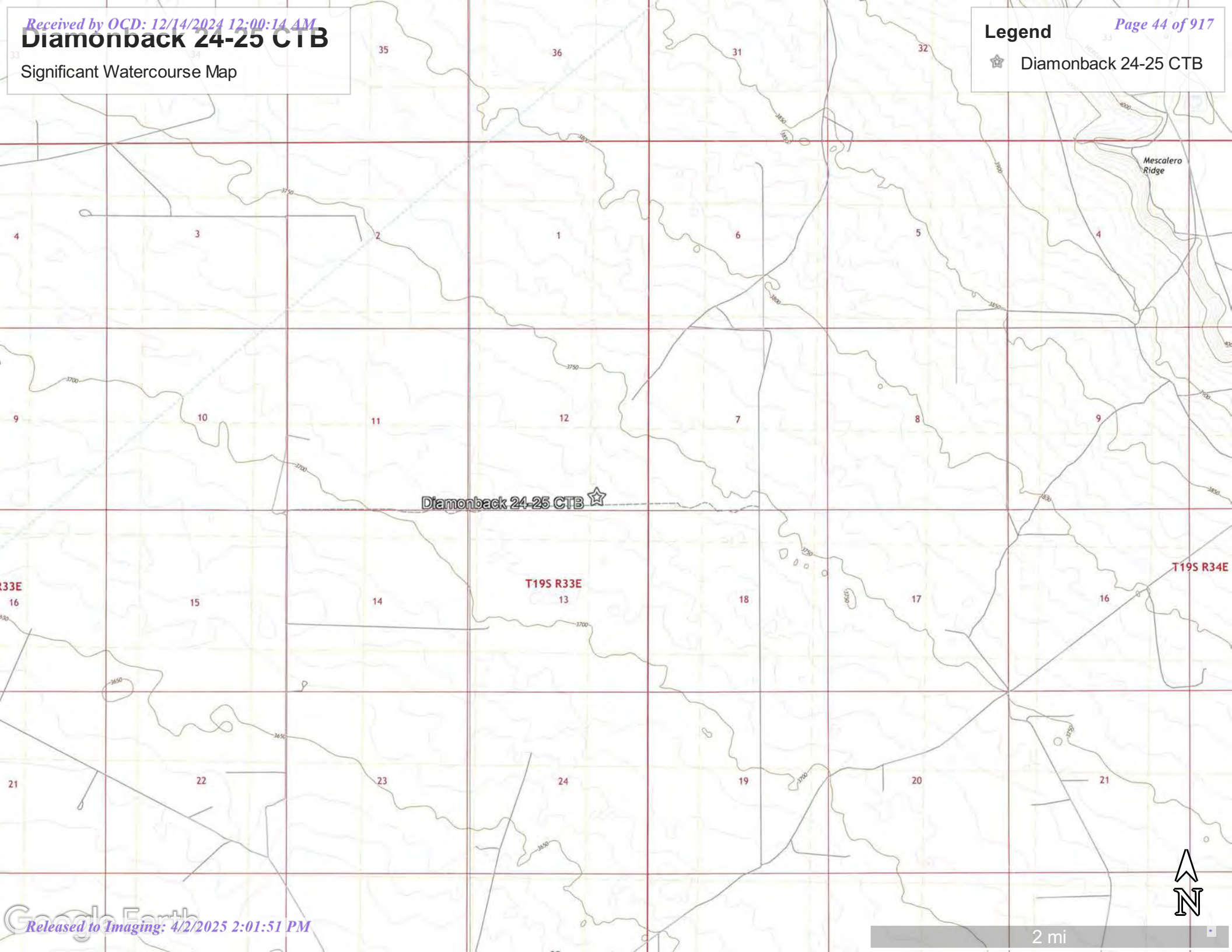
| Date of Disposal | Total Pounds Disposed | Total Tons Disposed |
|---|---|---|
| 3/8/2023 | 160,380 | 80.19 |
| 3/9/2023 | 161,540 | 80.77 |
| 3/10/2023 | 356,380 | 178.19 |
| 3/13/2023 | 421,980 | 210.99 |
| 3/14/2023 | 363,000 | 181.50 |
| 3/15/2023 | 468,340 | 234.17 |
| 3/16/2023 | 470,280 | 235.14 |
| 3/17/2023 | 115,620 | 57.81 |
| 7/31/2023 | 381,520 | 190.76 |
| 8/1/2023 | 691,520 | 345.76 |
| 8/3/2023 | 614,720 | 307.36 |
| 8/16/2023 | 413,660 | 206.83 |
| 8/17/2023 | 450,720 | 225.36 |
| 8/18/2023 | 360,040 | 180.02 |
| 8/21/2023 | 627,660 | 313.83 |
| 8/22/2023 | 253,080 | 126.54 |
| 8/28/2023 | 237,260 | 118.63 |
| 8/29/2023 | 643,540 | 321.77 |
| 8/30/2023 | 580,080 | 290.04 |
| 9/20/2023 | 163,760 | 81.88 |
| 10/9/2023 | 144,040 | 72.02 |
| **Project Total** | **7,918,740** | **4,039.56** |

# ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION/TMW-1 DIAGRAM

Received by OCD: 12/14/2024 12:00:14 AM


# Diamonback 24-25 CTB

Significant Watercourse Map




Released to Imaging: 4/2/2025 2:01:51 PM

Page 45 of 917

SITE ASSESSMENT REPORT
Earthstone Energy, LLC
Diamondback 24-25 CTB
Eddy County, New Mexico
Project No. 226700

# BORING LOG - TMW 1

(Page 1 of 3)

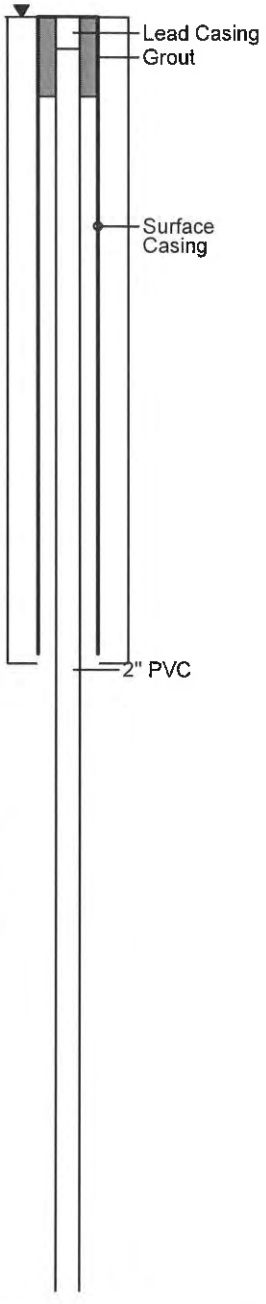
| | |
|---|---|
| Date Drilled | : 06/13/2023 |
| Hole Diameter | : 6 1/4 in |
| Drilling Method | : Air Rotary |
| Company Rep | : Jeff Kindley |
| Latitude / Longitude | : |
| Well Diameter | : |

Sample Legend
- Soil Sample
- NS - Not Sampled

Water Levels
- ▼ >110 ft

| Depth in Feet | USCS | Field CL | Lab CL | Lithology | Sample | Water Level | DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0 | SC | 250 | - | | | ▼ | SANDY CLAY-tan,fine grained, |
| 18 | CL | 240 | - | | | | Buff Limestone(2') |
| 20 | CL | 200 | - | | | | Limestone- with inbedded sand. |
| 26 | SM | | | | | | Limestone-fine to medium grained, brown, sand, traces of gravel, |
| 28 | SM | 680 | | | | | SAND - medium grain, brown, well sorted, medium grained, |
| 40 | | 560 | | | | | |

Well: TMW1




06-26-2023 P:\2022 PROJECTS\EARTHSTONE ENERGY\RSC\226700 Diamondback 24-25 CTB\7 - Figures\Boring Log\TMW1.bor

Received by OCD: 12/14/2024 12:00:14 AM
Released to Imaging: 4/2/2025 2:01:51 PM

Page 46 of 917

SITE ASSESSMENT REPORT
Earthstone Energy, LLC
Diamondback 24-25 CTB
Eddy County, New Mexico
Project No. 226700

# BORING LOG - TMW 1

(Page 2 of 3)

| | |
|---|---|
| Date Drilled | : 06/13/2023 |
| Hole Diameter | : 6 1/4 in |
| Drilling Method | : Air Rotary |
| Company Rep | : Jeff Kindley |
| Latitude / Longitude | : |
| Well Diameter | : |

Sample Legend
- Soil Sample
- NS - Not Sampled

Water Levels
- ▼ >110 ft

Well: TMW1

| Depth in Feet | USCS | Field CL | Lab CL | Lithology | Sample | Water Level | DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 40 | | | | | | | |
| 42 | SM | 405 | | | | | |
| 44 | | | | | | | SANDY CLAY- tan,brown |
| 46 | | | | | | | |
| 48 | | 108 | | | | | |
| 50 | | | | | | | |
| 52 | | | | | | | |
| 54 | | | | | | | |
| 56 | SC | | | | | | |
| 58 | | | | | | | |
| 60 | | 100 | | | | | |
| 62 | | | | | | | |
| 64 | | | | | | | |
| 66 | | | | | | | |
| 68 | | | | | | | SANDY CLAY-Red. |
| 70 | SC | | | | | | |
| 72 | | | | | | | |
| 74 | | | | | | | Red Clay |
| 76 | CL | Conflict | | | | | |
| 78 | | | | | | | CLAYEY SAND-Red/brown |
| 80 | SC | | | | | | |

2" PVC

06-26-2023 P:\2022 PROJECTS\EARTHSTONE ENERGY\RSC\226700 Diamondback 24-25 CTB\7 - Figures\Boring Log\TMW1.bor

Received by OCD: 12/14/2024 12:00:14 AM
Released to Imaging: 4/2/2025 2:01:51 PM

Page 47 of 917

# BORING LOG - TMW 1

(Page 3 of 3)

SITE ASSESSMENT REPORT
Earthstone Energy, LLC
Diamondback 24-25 CTB
Eddy County, New Mexico
Project No. 226700

| | |
|---|---|
| Date Drilled | : 06/13/2023 |
| Hole Diameter | : 6 1/4 in |
| Drilling Method | : Air Rotary |
| Company Rep | : Jeff Kindley |
| Latitude / Longitude | : |
| Well Diameter | : |

Sample Legend
- Soil Sample
- NS - Not Sampled

Water Levels
- ▼ >110 ft

Well: TMW1

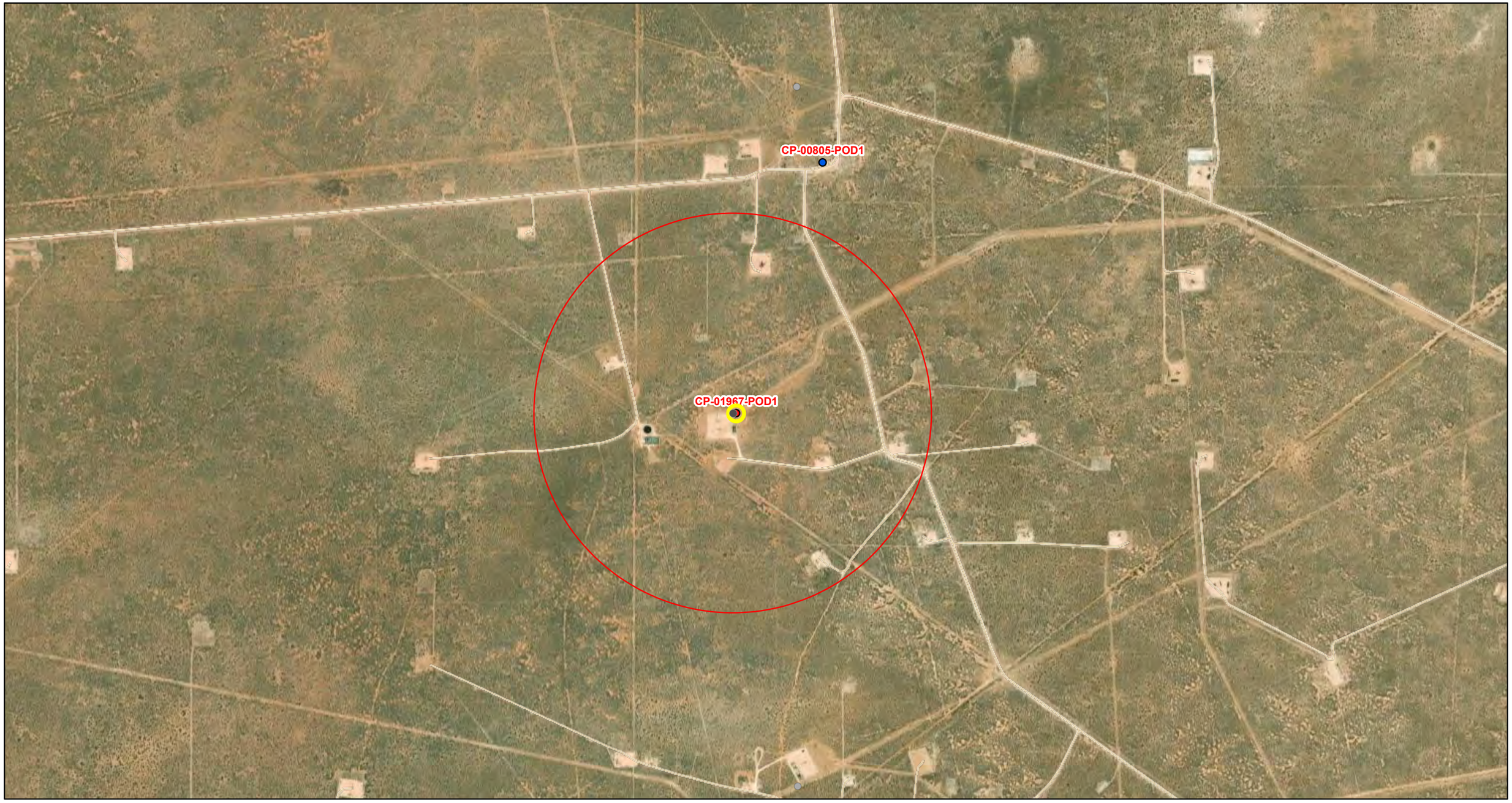
| Depth in Feet | USCS | Field CL | Lab CL | Lithology | Sample | Water Level | DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 80–90 | | | | | | | SANDY CLAY-Red/brown |
| 90–110 | SC / CL | | | | | | |
| 110–120 | | | | | | | Clay-Red,dry,<br>Boring Terminated |

Bentonite
2" PVC
Sand Pack (8/16)

06-26-2023 P:\2022 PROJECTS\EARTHSTONE ENERGY\RSC\226700 Diamondback 24-25 CTB\7 - Figures\Boring Log\TMW1.bor

Received by OCD: 12/14/2024 12:00:14 AM
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# OSE POD Location Map




3/12/2024, 12:08:04 PM

GIS WATERS PODs

- Active
- Plugged

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar



Online web user

This is an unofficial map from the OSE's online application.

Released to Imaging: 4/2/2025 2:01:51 PM
Received by OCD: 12/14/2024 12:00:14 AM

# Site Characterization Map



12/31/2022, 10:17:38 AM

OSE PODs
- Active
- Inactive
- Pending
- Changed Location of Well
- Capped
- Plugged
- Unknown

Karst Occurrence Potential
- Low

PLSS First Division

PLSS Second Division

1:4,514

0 0.05 0.1 0.19 mi

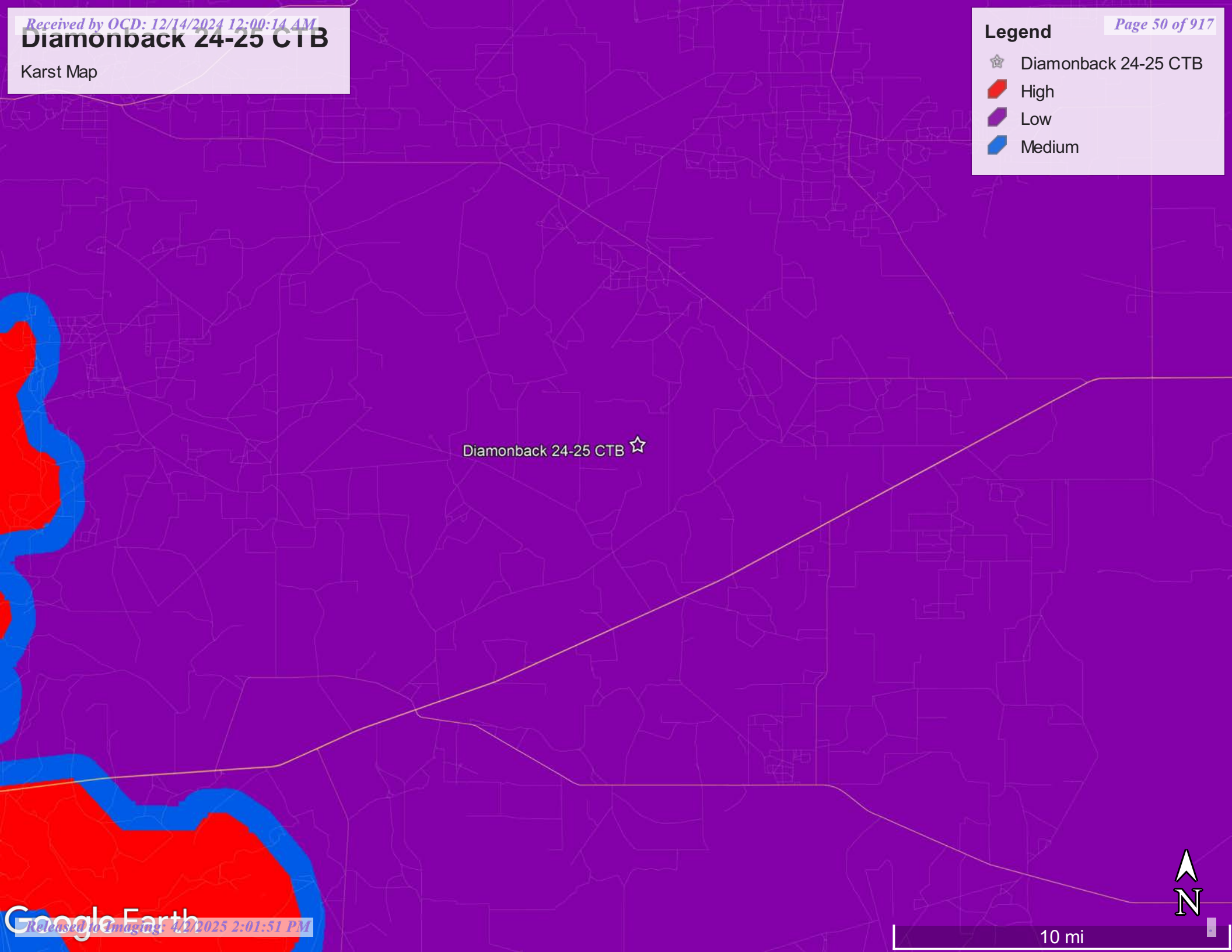
0 0.07 0.15 0.3 km

BLM, OCD, New Mexico Tech, OSE GIS, USGS, Esri, HERE, Garmin, iPC, Maxar, NM OSE, BLM

Received by OCD: 12/14/2024 12:00:14 AM


# Diamonback 24-25 CTB

Karst Map




Released to Imaging: 4/2/2025 2:01:51 PM

Received by OCD: 12/14/2024 12:00:14 AM



U.S. Fish and Wildlife Service
National Wetlands Inventory

# Wetland Mapper




January 3, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

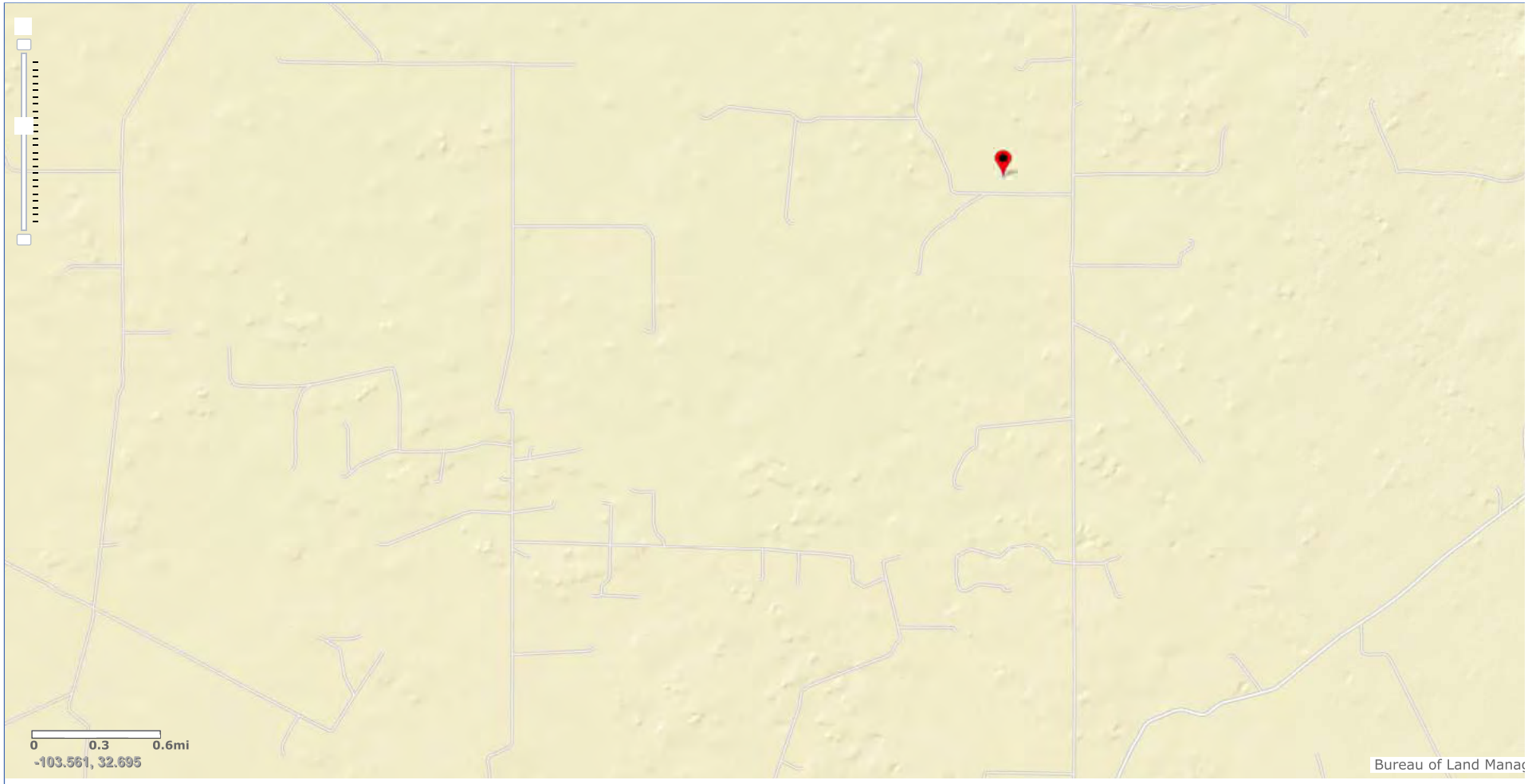
Released to Imaging: 4/2/2025 2:01:51 PM

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USGS science for a changing world

National Water Information System: Mapper




Site Information



Page 52 of 917

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Received by OCD: 12/14/2024 12:00:14 AM



National Water Information System: Web Interface

USGS Water Resources

Data Category: Site Information | Geographic Area: United States | GO

Click to hideNews Bulletins

- See the Water Data for the Nation Blog for the latest news and updates.

# USGS 324046103360401 19S.34E.06.341434

Available data for this site SUMMARY OF ALL AVAILABLE DATA | GO

## Well Site

DESCRIPTION:

Latitude 32°41'02.3", Longitude 103°36'09.30" NAD83
Lea County, New Mexico , Hydrologic Unit 13060011
Well depth: 500 feet
Land surface altitude: 3,776.00 feet above NGVD29.
Well completed in "Other aquifers" (N9999OTHER) national aquifer.
Well completed in "Santa Rosa Sandstone" (231SNRS) local aquifer

AVAILABLE DATA:

| Data Type | Begin Date | End Date | Count |
|---|---|---|---|
| Field groundwater-level measurements | 1968-03-18 | 2022-02-16 | 14 |
| Revisions | Unavailable (site:0) (timeseries:0) | | |
| **Additional Data Sources** | **Begin Date** | **End Date** | **Count** |
| Annual Water-Data Report (pdf) **offsite** | 2011 | 2011 | 1 |



Page 53 of 917

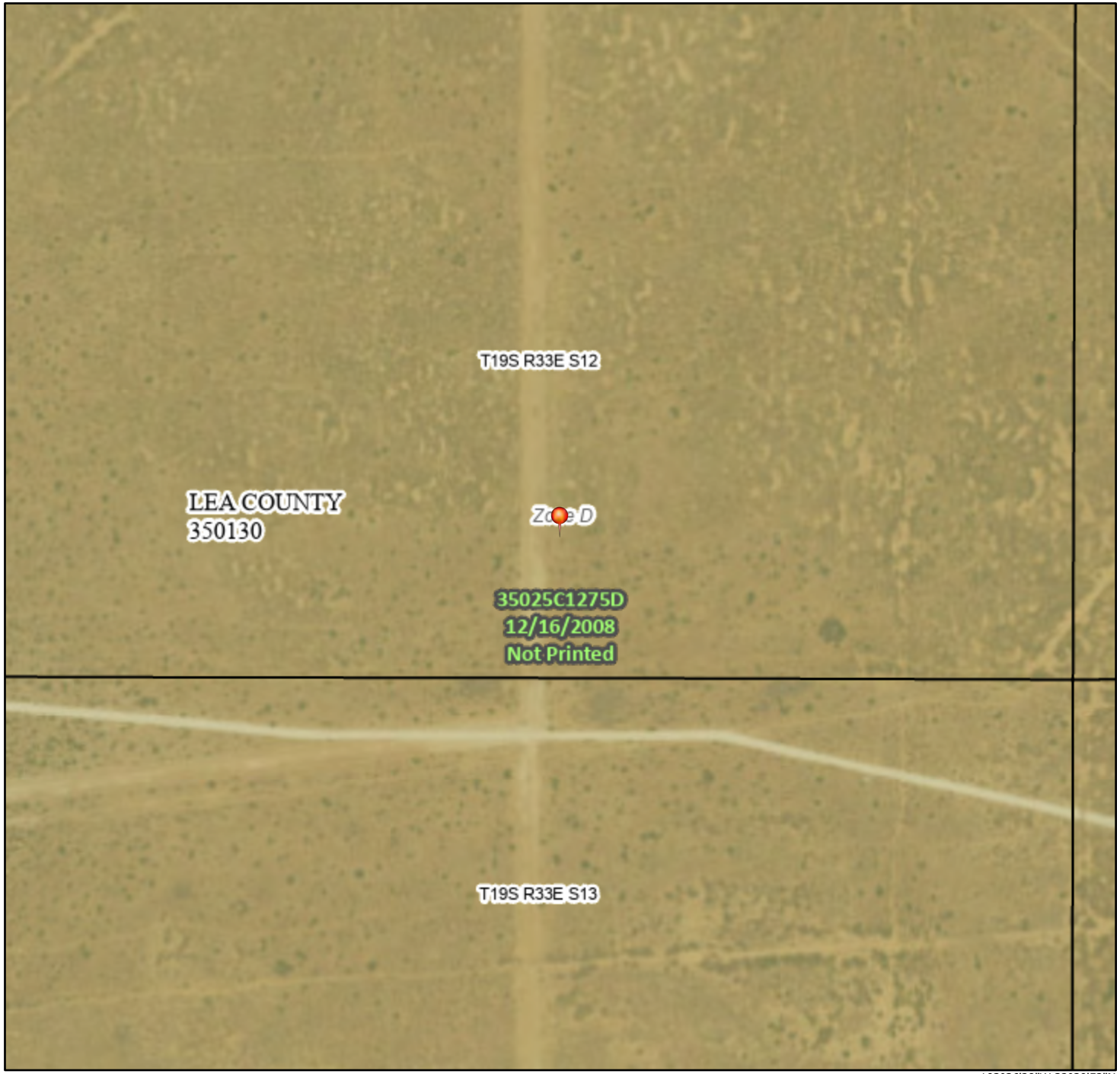
Received by OCD: 12/14/2024 12:00:14 AM



# National Flood Hazard Layer FIRMette

FEMA

103°37'5"W 32°40'22"N




0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°36'28"W 32°39'52"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/3/2023 at 12:40 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Released to Imaging: 4/2/2025 2:01:51 PM

# ATTACHMENT B: PHOTOGRAPHIC LOG

# PHOTOGRAPHIC LOG

**Earthstone Operating, LLC (Permian Resources)**

**Photograph No. 1**

**Facility:** Diamondback 24-25 CTB

**County:** Lea County, New Mexico

**Description:**

View of 0.5 ft Excavation Area



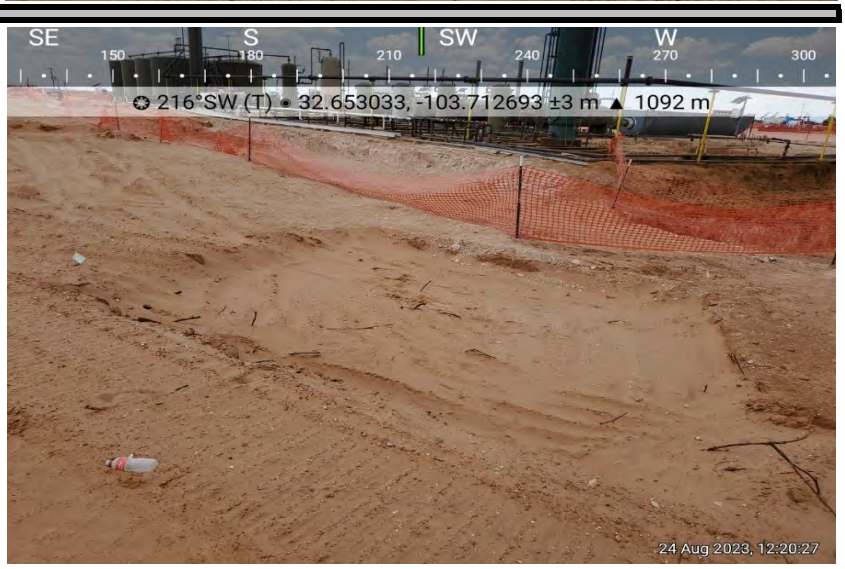

**Photograph No. 2**

**Facility:** Diamondback 24-25 CTB

**County:** Lea County, New Mexico

**Description:**

View of 1 ft Excavation Area




**Photograph No. 3**

**Facility:** Diamondback 24-25 CTB

**County:** Lea County, New Mexico

**Description:**

View of 1.5 & 2 ft Excavation Area



# PHOTOGRAPHIC LOG

**Earthstone Operating, LLC (Permian Resources)**

**Photograph No. 4**

**Facility:** Diamondback 24-25 CTB

**County:** Lea County, New Mexico

**Description:**

View of 1.5 ft Excavation Area




**Photograph No. 5**

**Facility:** Diamondback 24-25 CTB

**County:** Lea County, New Mexico

**Description:**

View of 3 ft Excavation Area




**Photograph No. 6**

**Facility:** Diamondback 24-25 CTB

**County:** Lea County, New Mexico

**Description:**
View of 4 ft Excavation Area



# PHOTOGRAPHIC LOG

**Earthstone Operating, LLC (Permian Resources)**

**Photograph No. 7**

**Facility:** Diamondback 24-25 CTB

**County:** Lea County, New Mexico

**Description:**
View of 4 ft Excavation Area in Pasture




**Photograph No. 8**

**Facility:** Diamondback 24-25 CTB

**County:** Lea County, New Mexico

**Description:**
View of 4, 8, and 11 ft Excavation Areas




**Photograph No. 9**

**Facility:** Diamondback 24-25 CTB

**County:** Lea County, New Mexico

**Description:**
View of 12.5 ft Excavation Area



# ATTACHMENT C: CONFIRMATION SAMPLING NOTIFICATIONS

**From:** Wells, Shelly, EMNRD
**To:** Ricardo Baer
**Cc:** Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
**Subject:** RE: [EXTERNAL] Diamondback 24-25 CTB
**Date:** Wednesday, August 9, 2023 2:57:35 PM
**Attachments:** image001.png

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Good afternoon Ricardo,

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

Thank you,

Shelly

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

**From:** Ricardo Baer <RBaer@ntglobal.com>
**Sent:** Wednesday, August 9, 2023 12:33 PM
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
**Cc:** Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
**Subject:** [EXTERNAL] Diamondback 24-25 CTB

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

Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Diamondback 24-25 CTB
A-24-19S-32E
Lea County, NM
nAPP2300652445

Sampling will begin at 8:00 a.m. on Monday, Aug 14, 2023, and continue through Friday, August 18, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO
Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



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**From:** Wells, Shelly, EMNRD
**To:** Ricardo Baer
**Cc:** Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
**Subject:** RE: [EXTERNAL] Diamondback 24-25 CTB
**Date:** Wednesday, August 16, 2023 5:46:11 PM
**Attachments:** image001.png

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Hi Ricardo,

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Thank you,

Shelly

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

**From:** Ricardo Baer <RBaer@ntglobal.com>
**Sent:** Wednesday, August 16, 2023 4:15 PM
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
**Cc:** Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
**Subject:** [EXTERNAL] Diamondback 24-25 CTB

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

Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Diamondback 24-25 CTB
A-24-19S-32E
Lea County, NM
nAPP2300652445

Sampling will begin at 8:00 a.m. on Monday, Aug 21, 2023, and continue through Friday, August 25, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO
Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



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**From:** Wells, Shelly, EMNRD
**To:** Ricardo Baer
**Cc:** Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
**Subject:** RE: [EXTERNAL] Diamondback 24-25 CTB
**Date:** Wednesday, August 23, 2023 5:02:58 PM
**Attachments:** image001.png

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Hi Ricardo,

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

Thank you,

Shelly

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

---

**From:** Ricardo Baer <RBaer@ntglobal.com>
**Sent:** Wednesday, August 23, 2023 1:20 PM
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
**Cc:** Becky Haskell <bhaskell@ntglobal.com>
**Subject:** FW: [EXTERNAL] Diamondback 24-25 CTB

Diamondback 24-25 CTB
A-24-19S-32E
Lea County, NM
nAPP2300652445

Sampling will begin at 8:00 a.m. on Monday, Aug 28, 2023, and continue through Friday, September 1, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO

Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



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**From:** Rodgers, Scott, EMNRD
**To:** Ricardo Baer
**Cc:** Becky Haskell; NTG Env Carlsbad; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
**Subject:** RE: [EXTERNAL] Diamondback 24-25 CTB
**Date:** Wednesday, September 13, 2023 3:12:50 PM
**Attachments:** image003.png

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

Thanks,
Scott

**Scott Rodgers** ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd



**From:** Ricardo Baer <RBaer@ntglobal.com>
**Sent:** Wednesday, September 13, 2023 1:23 PM
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
**Cc:** Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
**Subject:** [EXTERNAL] Diamondback 24-25 CTB

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

Hi Ricardo,

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

Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Diamondback 24-25 CTB
A-24-19S-32E
Lea County, NM
nAPP2300652445

Sampling will begin at 8:00 a.m. on Monday, September 18, 2023, and continue through Friday, September 22, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO
Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



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way to waive confidentiality. If you have received this transmission in error, please alert the sender by reply e-mail; we also request that you immediately delete this message and its attachments, if any.

**From:** Wells, Shelly, EMNRD
**To:** Ricardo Baer; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
**Cc:** Becky Haskell
**Subject:** RE: [EXTERNAL] Diamondback 24-25 CTB
**Date:** Wednesday, October 4, 2023 3:55:46 PM
**Attachments:** image001.png

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Good afternoon Ricardo,

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

Thank you,

Shelly

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

---

**From:** Ricardo Baer <RBaer@ntglobal.com>
**Sent:** Wednesday, October 4, 2023 2:13 PM
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
**Cc:** Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
**Subject:** [EXTERNAL] Diamondback 24-25 CTB

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

Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Diamondback 24-25 CTB
A-24-19S-32E
Lea County, NM
nAPP2300652445

Sampling will begin at 8:00 a.m. on Monday, October 9, 2023, and continue through Friday, October 13, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO
Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



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**From:** Ricardo Baer
**To:** ocd.enviro@emnrd.nm.gov
**Cc:** NTG Env Carlsbad; Becky Haskell
**Subject:** Diamondback 24-25 CTB
**Date:** Wednesday, December 6, 2023 1:16:53 PM
**Attachments:** image001.png

---

Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Diamondback 24-25 CTB
A-24-19S-32E
Lea County, NM
nAPP2300652445

Sampling will begin at 8:00 a.m. on Monday, December 11, 2023, and continue through Friday, December 15, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO
Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



# ATTACHMENT D: LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Becky Haskell
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 1/27/2023 7:39:05 AM Revision 1

## JOB DESCRIPTION

Diamondback 24-25 Fed Com Battery
SDG NUMBER Lea County NM

## JOB NUMBER

890-3780-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.



Released to Imaging: 4/2/2025 2:01:51 PM

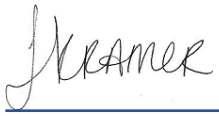
my EOL

# Eurofins Carlsbad

## Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated
1/27/2023 7:39:05 AM
Revision 1

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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# Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Job ID: 890-3780-1

### Laboratory: Eurofins Carlsbad

**Narrative**

**Job Narrative**
**890-3780-1**

REVISION

The report being provided is a revision of the original report sent on 1/16/2023. The report (revision 1) is being revised due to Per client email, requesting chloride data be reviewed.

Report revision history

**Receipt**
The samples were received on 1/6/2023 4:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-0.5') (890-3780-1), S-1 (1-1.5') (890-3780-2), S-1 (2-2.5') (890-3780-3), S-1 (3-3.5') (890-3780-4), S-1 (4-4.5') (890-3780-5), S-1 (5-5.5') (890-3780-6), S-2 (0-0.5') (890-3780-7), S-2 (1-1.5') (890-3780-8), S-2 (2-2.5') (890-3780-9), S-2 (3-3.5') (890-3780-10), S-2 (4-4.5') (890-3780-11), S-2 (5-5.5') (890-3780-12), H-1 (0-0.5') (890-3780-13), H-2 (0-0.5') (890-3780-14), H-3 (0-0.5') (890-3780-15), H-4 (0-0.5') (890-3780-16), H-5 (0-0.5') (890-3780-17), H-6 (0-0.5') (890-3780-18), H-7 (0-0.5') (890-3780-19) and H-8 (0-0.5') (890-3780-20).

**GC VOA**
Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-43512/5-A) and (MB 880-43537/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-5 (0-0.5') (890-3780-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43832 and analytical batch 880-43866 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43744/1-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43639 and 880-43639 and analytical batch 880-43702 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44628 and analytical batch 880-44685 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44423 and analytical batch 880-44568 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Job ID: 890-3780-1 (Continued)

### Laboratory: Eurofins Carlsbad (Continued)

the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-1 (0-0.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-1

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:21 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:21 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:21 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:21 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:21 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 02:21* | *1* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 02:21* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 10:37 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 10:37 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 10:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *121* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 10:37* | *1* |
| *o-Terphenyl* | *115* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 10:37* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **115** | **F1** | 5.01 | | mg/Kg | | | 01/12/23 23:45 | 1 |

## Client Sample ID: S-1 (1-1.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-2

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:48 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:48 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:48 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:48 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:48 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 02:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 02:48* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 02:48* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-1 (1-1.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-2

**Matrix: Solid**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 11:43 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 11:43 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 11:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *119* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 11:43* | *1* |
| *o-Terphenyl* | *106* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 11:43* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1210** | | 4.99 | | mg/Kg | | | 01/13/23 13:50 | 1 |

## Client Sample ID: S-1 (2-2.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-3

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:15 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:15 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:15 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:15 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:15 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 03:15* | *1* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 03:15* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 12:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 12:04 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-1 (2-2.5')

**Lab Sample ID: 890-3780-3**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 12:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 12:04* | *1* |
| *o-Terphenyl* | *97* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 12:04* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **73.3** | | 5.00 | | mg/Kg | | | 01/13/23 00:04 | 1 |

## Client Sample ID: S-1 (3-3.5')

**Lab Sample ID: 890-3780-4**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:42 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:42 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:42 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:42 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:42 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 03:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 03:42* | *1* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 03:42* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 12:26 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 12:26 | 1 |
| Oll Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 12:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 12:26* | *1* |
| *o-Terphenyl* | *96* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 12:26* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **127** | | 4.98 | | mg/Kg | | | 01/13/23 00:09 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-1 (4-4.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-5

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:08 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:08 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:08 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:08 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:08 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 04:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 04:08* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 12:48 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 12:48 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 12:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 12:48* | *1* |
| *o-Terphenyl* | *97* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 12:48* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **103** | | 4.95 | | mg/Kg | | | 01/13/23 00:14 | 1 |

## Client Sample ID: S-1 (5-5.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-6

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:35 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:35 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:35 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:35 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:35 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 04:35 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 04:35* | *1* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 04:35* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-1 (5-5.5')

**Lab Sample ID: 890-3780-6**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 13:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 13:09 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 13:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 13:09* | *1* |
| *o-Terphenyl* | *94* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 13:09* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **179** | | 5.05 | | mg/Kg | | | 01/13/23 00:28 | 1 |

## Client Sample ID: S-2 (0-0.5')

**Lab Sample ID: 890-3780-7**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:02 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:02 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:02 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:02 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:02 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 05:02* | *1* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 05:02* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 13:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 13:31 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-2 (0-0.5')

**Lab Sample ID: 890-3780-7**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 13:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *114* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 13:31* | *1* |
| *o-Terphenyl* | *106* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 13:31* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1390** | **F1** | 25.1 | | mg/Kg | | | 01/24/23 03:51 | 5 |

## Client Sample ID: S-2 (1-1.5')

**Lab Sample ID: 890-3780-8**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **0.0437** | | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:29 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:29 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:29 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:29 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:29 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 05:29* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 05:29* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.0437** | | 0.00401 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 13:53 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 13:53 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 13:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *112* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 13:53* | *1* |
| *o-Terphenyl* | *95* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 13:53* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **56.2** | | 4.97 | | mg/Kg | | | 01/24/23 04:09 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-2 (2-2.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-9

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:56 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:56 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:56 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:56 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:56 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 05:56 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *87* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 05:56* | *1* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 05:56* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 14:14 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 14:14 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 14:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *88* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 14:14* | *1* |
| *o-Terphenyl* | *78* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 14:14* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **227** | | 4.99 | | mg/Kg | | | 01/24/23 04:15 | 1 |

## Client Sample ID: S-2 (3-3.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-10

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 06:23 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 06:23 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 06:23 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 06:23 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 06:23 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 06:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 06:23* | *1* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 06:23* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-2 (3-3.5')

**Lab Sample ID: 890-3780-10**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 08:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 14:36 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 14:36 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 14:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 14:36* | *1* |
| *o-Terphenyl* | *88* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 14:36* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **838** | | 5.05 | | mg/Kg | | | 01/24/23 04:21 | 1 |

## Client Sample ID: S-2 (4-4.5')

**Lab Sample ID: 890-3780-11**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:12 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:12 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:12 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:12 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:12 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 08:12* | *1* |
| *1,4-Difluorobenzene (Surr)* | *85* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 08:12* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 01/13/23 13:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 15:42 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 15:42 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-2 (4-4.5')

**Lab Sample ID: 890-3780-11**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Oll Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 15:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 15:42* | *1* |
| *o-Terphenyl* | *95* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 15:42* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3300** | | 25.2 | | mg/Kg | | | 01/24/23 04:28 | 5 |

## Client Sample ID: S-2 (5-5.5')

**Lab Sample ID: 890-3780-12**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:39 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:39 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:39 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:39 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:39 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 08:39 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *112* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 08:39* | *1* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 08:39* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 13:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 16:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 16:04 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 16:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *114* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 16:04* | *1* |
| *o-Terphenyl* | *105* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 16:04* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3110** | | 25.0 | | mg/Kg | | | 01/24/23 04:46 | 5 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: H-1 (0-0.5')

**Lab Sample ID: 890-3780-13**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:06 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:06 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:06 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:06 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:06 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *118* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 09:06* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 09:06* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 13:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 16:26 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 16:26 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 16:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *93* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 16:26* | *1* |
| *o-Terphenyl* | *86* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 16:26* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **217** | | 4.96 | | mg/Kg | | | 01/13/23 01:11 | 1 |

## Client Sample ID: H-2 (0-0.5')

**Lab Sample ID: 890-3780-14**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:33 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:33 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:33 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:33 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:33 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *112* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 09:33* | *1* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 09:33* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: H-2 (0-0.5')

**Lab Sample ID: 890-3780-14**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 01/13/23 13:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **96.8** | | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 16:48 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **96.8** | | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 16:48 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *94* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 16:48* | *1* |
| *o-Terphenyl* | *85* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 16:48* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **10.1** | | 5.04 | | mg/Kg | | | 01/13/23 01:25 | 1 |

## Client Sample ID: H-3 (0-0.5')

**Lab Sample ID: 890-3780-15**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:59 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:59 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:59 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:59 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:59 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 09:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 09:59* | *1* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 09:59* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 13:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **86.1** | | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 17:10 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **86.1** | | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 17:10 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: H-3 (0-0.5')

**Lab Sample ID: 890-3780-15**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 17:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 17:10* | *1* |
| *o-Terphenyl* | *89* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 17:10* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **123** | | 4.98 | | mg/Kg | | | 01/13/23 01:30 | 1 |

## Client Sample ID: H-4 (0-0.5')

**Lab Sample ID: 890-3780-16**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 10:26 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 10:26 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 10:26 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 10:26 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 10:26 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 10:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 10:26* | *1* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 10:26* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 13:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **88.5** | | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 17:32 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **88.5** | | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 17:32 | 1 |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 17:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *116* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 17:32* | *1* |
| *o-Terphenyl* | *99* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 17:32* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **109** | | 4.95 | | mg/Kg | | | 01/13/23 01:35 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: H-5 (0-0.5')

**Lab Sample ID: 890-3780-17**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **0.0859** | | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 07:43 | 1 |
| **Toluene** | **0.0352** | | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 07:43 | 1 |
| **Ethylbenzene** | **0.0809** | | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 07:43 | 1 |
| **m-Xylene & p-Xylene** | **0.0266** | | 0.00399 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 07:43 | 1 |
| **o-Xylene** | **0.0991** | | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 07:43 | 1 |
| **Xylenes, Total** | **0.126** | | 0.00399 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 07:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *195* | *S1+* | *70 - 130* | *01/12/23 14:48* | *01/14/23 07:43* | *1* |
| *1,4-Difluorobenzene (Surr)* | *50* | *S1-* | *70 - 130* | *01/12/23 14:48* | *01/14/23 07:43* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.328** | | 0.00399 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **130** | | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 17:54 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **130** | | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 17:54 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 17:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *96* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 17:54* | *1* |
| *o-Terphenyl* | *87* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 17:54* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **63.6** | | 5.00 | | mg/Kg | | | 01/13/23 01:39 | 1 |

## Client Sample ID: H-6 (0-0.5')

**Lab Sample ID: 890-3780-18**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:19 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:19 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:19 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:19 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:19 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *85* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 11:19* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 11:19* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: H-6 (0-0.5')

**Lab Sample ID: 890-3780-18**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 01/13/23 13:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **126** | | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 18:16 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **126** | | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 18:16 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 18:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *97* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 18:16* | *1* |
| *o-Terphenyl* | *88* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 18:16* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **336** | | 5.00 | | mg/Kg | | | 01/13/23 01:44 | 1 |

## Client Sample ID: H-7 (0-0.5')

**Lab Sample ID: 890-3780-19**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:46 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:46 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:46 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:46 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:46 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 11:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *117* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 11:46* | *1* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 11:46* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/13/23 13:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **122** | | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 18:38 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **122** | | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 18:38 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: H-7 (0-0.5')

**Lab Sample ID: 890-3780-19**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 18:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *109* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 18:38* | *1* |
| *o-Terphenyl* | *98* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 18:38* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **110** | | 5.03 | | mg/Kg | | | 01/13/23 01:49 | 1 |

## Client Sample ID: H-8 (0-0.5')

**Lab Sample ID: 890-3780-20**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 12:13 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 12:13 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 12:13 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 12:13 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 12:13 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 12:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 12:13* | *1* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 12:13* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 01/13/23 13:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **111** | | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 19:00 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **111** | | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 19:00 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 19:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *119* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 19:00* | *1* |
| *o-Terphenyl* | *103* | | *70 - 130* | *01/11/23 13:21* | *01/12/23 19:00* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **54.3** | | 4.99 | | mg/Kg | | | 01/13/23 01:53 | 1 |

# Surrogate Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 890-3780-1 | S-1 (0-0.5') | 90 | 89 |
| 890-3780-1 MS | S-1 (0-0.5') | 108 | 96 |
| 890-3780-1 MSD | S-1 (0-0.5') | 99 | 99 |
| 890-3780-2 | S-1 (1-1.5') | 106 | 98 |
| 890-3780-3 | S-1 (2-2.5') | 114 | 87 |
| 890-3780-4 | S-1 (3-3.5') | 101 | 94 |
| 890-3780-5 | S-1 (4-4.5') | 93 | 90 |
| 890-3780-6 | S-1 (5-5.5') | 99 | 93 |
| 890-3780-7 | S-2 (0-0.5') | 102 | 89 |
| 890-3780-8 | S-2 (1-1.5') | 106 | 90 |
| 890-3780-9 | S-2 (2-2.5') | 87 | 97 |
| 890-3780-10 | S-2 (3-3.5') | 101 | 96 |
| 890-3780-11 | S-2 (4-4.5') | 104 | 85 |
| 890-3780-12 | S-2 (5-5.5') | 112 | 94 |
| 890-3780-13 | H-1 (0-0.5') | 118 | 98 |
| 890-3780-14 | H-2 (0-0.5') | 112 | 94 |
| 890-3780-15 | H-3 (0-0.5') | 96 | 96 |
| 890-3780-16 | H-4 (0-0.5') | 101 | 93 |
| 890-3780-17 | H-5 (0-0.5') | 195 S1+ | 50 S1- |
| 890-3780-18 | H-6 (0-0.5') | 85 | 106 |
| 890-3780-19 | H-7 (0-0.5') | 117 | 97 |
| 890-3780-20 | H-8 (0-0.5') | 102 | 97 |
| 890-3817-A-4-D MS | Matrix Spike | 121 | 100 |
| 890-3817-A-4-E MSD | Matrix Spike Duplicate | 129 | 98 |
| LCS 880-43512/1-A | Lab Control Sample | 108 | 94 |
| LCS 880-43832/1-A | Lab Control Sample | 108 | 102 |
| LCSD 880-43512/2-A | Lab Control Sample Dup | 116 | 110 |
| LCSD 880-43832/2-A | Lab Control Sample Dup | 106 | 104 |
| MB 880-43512/5-A | Method Blank | 68 S1- | 90 |
| MB 880-43537/5-A | Method Blank | 66 S1- | 84 |
| MB 880-43654/5-A | Method Blank | 106 | 103 |
| MB 880-43832/5-B | Method Blank | 109 | 99 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-3780-1 | S-1 (0-0.5') | 121 | 115 |
| 890-3780-1 MS | S-1 (0-0.5') | 102 | 89 |
| 890-3780-1 MSD | S-1 (0-0.5') | 99 | 88 |
| 890-3780-2 | S-1 (1-1.5') | 119 | 106 |
| 890-3780-3 | S-1 (2-2.5') | 102 | 97 |
| 890-3780-4 | S-1 (3-3.5') | 103 | 96 |
| 890-3780-5 | S-1 (4-4.5') | 103 | 97 |

# Surrogate Summary

Client: NT Global
Job ID: 890-3780-1
Project/Site: Diamondback 24-25 Fed Com Battery
SDG: Lea County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) | | | | | | | | |
| 890-3780-6 | S-1 (5-5.5') | 101 | 94 | | | | | | | | |
| 890-3780-7 | S-2 (0-0.5') | 114 | 106 | | | | | | | | |
| 890-3780-8 | S-2 (1-1.5') | 112 | 95 | | | | | | | | |
| 890-3780-9 | S-2 (2-2.5') | 88 | 78 | | | | | | | | |
| 890-3780-10 | S-2 (3-3.5') | 99 | 88 | | | | | | | | |
| 890-3780-11 | S-2 (4-4.5') | 102 | 95 | | | | | | | | |
| 890-3780-12 | S-2 (5-5.5') | 114 | 105 | | | | | | | | |
| 890-3780-13 | H-1 (0-0.5') | 93 | 86 | | | | | | | | |
| 890-3780-14 | H-2 (0-0.5') | 94 | 85 | | | | | | | | |
| 890-3780-15 | H-3 (0-0.5') | 98 | 89 | | | | | | | | |
| 890-3780-16 | H-4 (0-0.5') | 116 | 99 | | | | | | | | |
| 890-3780-17 | H-5 (0-0.5') | 96 | 87 | | | | | | | | |
| 890-3780-18 | H-6 (0-0.5') | 97 | 88 | | | | | | | | |
| 890-3780-19 | H-7 (0-0.5') | 109 | 98 | | | | | | | | |
| 890-3780-20 | H-8 (0-0.5') | 119 | 103 | | | | | | | | |
| LCS 880-43744/2-A | Lab Control Sample | 103 | 94 | | | | | | | | |
| LCSD 880-43744/3-A | Lab Control Sample Dup | 105 | 95 | | | | | | | | |
| MB 880-43744/1-A | Method Blank | 166 S1+ | 146 S1+ | | | | | | | | |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-43512/5-A**
**Matrix: Solid**
**Analysis Batch: 43784**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43512**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 01:53 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 01:53 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 01:53 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 01:53 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 01:53 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/09/23 11:08 | 01/13/23 01:53 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *68* | *S1-* | *70 - 130* | *01/09/23 11:08* | *01/13/23 01:53* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *01/09/23 11:08* | *01/13/23 01:53* | *1* |

**Lab Sample ID: LCS 880-43512/1-A**
**Matrix: Solid**
**Analysis Batch: 43784**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43512**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1009 | | mg/Kg | | 101 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.1031 | | mg/Kg | | 103 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.1057 | | mg/Kg | | 106 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2195 | | mg/Kg | | 110 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.1047 | | mg/Kg | | 105 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* |

**Lab Sample ID: LCSD 880-43512/2-A**
**Matrix: Solid**
**Analysis Batch: 43784**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43512**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1190 | | mg/Kg | | 119 | 70 - 130 | 16 | 35 |
| Toluene | | | 0.100 | 0.1147 | | mg/Kg | | 115 | 70 - 130 | 11 | 35 |
| Ethylbenzene | | | 0.100 | 0.1154 | | mg/Kg | | 115 | 70 - 130 | 9 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2409 | | mg/Kg | | 120 | 70 - 130 | 9 | 35 |
| o-Xylene | | | 0.100 | 0.1167 | | mg/Kg | | 117 | 70 - 130 | 11 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *116* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *110* | | *70 - 130* |

**Lab Sample ID: 890-3780-1 MS**
**Matrix: Solid**
**Analysis Batch: 43784**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43512**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.101 | 0.09723 | | mg/Kg | | 96 | 70 - 130 | | |
| Toluene | <0.00201 | U | 0.101 | 0.09380 | | mg/Kg | | 93 | 70 - 130 | | |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 890-3780-1 MS**
**Matrix: Solid**
**Analysis Batch: 43784**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43512**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00201 | U | 0.101 | 0.09258 | | mg/Kg | | 92 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.202 | 0.1907 | | mg/Kg | | 95 | 70 - 130 |
| o-Xylene | <0.00201 | U | 0.101 | 0.09332 | | mg/Kg | | 93 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* |

**Lab Sample ID: 890-3780-1 MSD**
**Matrix: Solid**
**Analysis Batch: 43784**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43512**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.0990 | 0.09153 | | mg/Kg | | 92 | 70 - 130 | 6 | 35 |
| Toluene | <0.00201 | U | 0.0990 | 0.07946 | | mg/Kg | | 80 | 70 - 130 | 17 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0990 | 0.08014 | | mg/Kg | | 81 | 70 - 130 | 14 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.198 | 0.1655 | | mg/Kg | | 84 | 70 - 130 | 14 | 35 |
| o-Xylene | <0.00201 | U | 0.0990 | 0.07985 | | mg/Kg | | 81 | 70 - 130 | 16 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* |

**Lab Sample ID: MB 880-43537/5-A**
**Matrix: Solid**
**Analysis Batch: 43784**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43537**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 12:27 | 01/12/23 12:08 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 12:27 | 01/12/23 12:08 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 12:27 | 01/12/23 12:08 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/09/23 12:27 | 01/12/23 12:08 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 12:27 | 01/12/23 12:08 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/09/23 12:27 | 01/12/23 12:08 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *66* | *S1-* | *70 - 130* | *01/09/23 12:27* | *01/12/23 12:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *84* | | *70 - 130* | *01/09/23 12:27* | *01/12/23 12:08* | *1* |

**Lab Sample ID: MB 880-43654/5-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43654**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-43654/5-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43654**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 12:31* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 12:31* | *1* |

**Lab Sample ID: MB 880-43832/5-B**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43832**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 00:17* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 00:17* | *1* |

**Lab Sample ID: LCS 880-43832/1-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43832**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1081 | | mg/Kg | | 108 | 70 - 130 |
| Toluene | 0.100 | 0.1031 | | mg/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09995 | | mg/Kg | | 100 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2033 | | mg/Kg | | 102 | 70 - 130 |
| o-Xylene | 0.100 | 0.09880 | | mg/Kg | | 99 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* |

**Lab Sample ID: LCSD 880-43832/2-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43832**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08851 | | mg/Kg | | 89 | 70 - 130 | 20 | 35 |
| Toluene | 0.100 | 0.08351 | | mg/Kg | | 84 | 70 - 130 | 21 | 35 |
| Ethylbenzene | 0.100 | 0.08255 | | mg/Kg | | 83 | 70 - 130 | 19 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1689 | | mg/Kg | | 84 | 70 - 130 | 18 | 35 |
| o-Xylene | 0.100 | 0.08398 | | mg/Kg | | 84 | 70 - 130 | 16 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 |

**Lab Sample ID: 890-3817-A-4-D MS** — **Client Sample ID: Matrix Spike**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 43866** — **Prep Batch: 43832**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U F1 F2 | 0.101 | 0.03806 | F1 | mg/Kg | | 38 | 70 - 130 |
| Toluene | <0.00201 | U F1 | 0.101 | 0.03900 | F1 | mg/Kg | | 38 | 70 - 130 |
| Ethylbenzene | <0.00201 | U F1 | 0.101 | 0.04328 | F1 | mg/Kg | | 43 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U F1 | 0.202 | 0.08599 | F1 | mg/Kg | | 42 | 70 - 130 |
| o-Xylene | <0.00201 | U F1 | 0.101 | 0.04492 | F1 | mg/Kg | | 44 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 121 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

**Lab Sample ID: 890-3817-A-4-E MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 43866** — **Prep Batch: 43832**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U F1 F2 | 0.0990 | 0.02633 | F1 F2 | mg/Kg | | 27 | 70 - 130 | 36 | 35 |
| Toluene | <0.00201 | U F1 | 0.0990 | 0.02875 | F1 | mg/Kg | | 28 | 70 - 130 | 30 | 35 |
| Ethylbenzene | <0.00201 | U F1 | 0.0990 | 0.03064 | F1 | mg/Kg | | 31 | 70 - 130 | 34 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U F1 | 0.198 | 0.06396 | F1 | mg/Kg | | 32 | 70 - 130 | 29 | 35 |
| o-Xylene | <0.00201 | U F1 | 0.0990 | 0.03464 | F1 | mg/Kg | | 34 | 70 - 130 | 26 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 129 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-43744/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 43779** — **Prep Batch: 43744**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 08:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 08:04 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:21 | 01/12/23 08:04 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 166 | S1+ | 70 - 130 | 01/11/23 13:21 | 01/12/23 08:04 | 1 |
| o-Terphenyl | 146 | S1+ | 70 - 130 | 01/11/23 13:21 | 01/12/23 08:04 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 880-43744/2-A**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43744**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 894.2 | | mg/Kg | | 89 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 796.5 | | mg/Kg | | 80 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* |
| *o-Terphenyl* | *94* | | *70 - 130* |

**Lab Sample ID: LCSD 880-43744/3-A**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43744**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 851.0 | | mg/Kg | | 85 | 70 - 130 | 5 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 864.4 | | mg/Kg | | 86 | 70 - 130 | 8 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* |
| *o-Terphenyl* | *95* | | *70 - 130* |

**Lab Sample ID: 890-3780-1 MS**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43744**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 998 | 1097 | | mg/Kg | | 107 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 998 | 1034 | | mg/Kg | | 101 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* |
| *o-Terphenyl* | *89* | | *70 - 130* |

**Lab Sample ID: 890-3780-1 MSD**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43744**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 997 | 1049 | | mg/Kg | | 102 | 70 - 130 | 4 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 997 | 1008 | | mg/Kg | | 99 | 70 - 130 | 3 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 890-3780-1 MSD**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43744**

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| o-Terphenyl | 88 | | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-43639/1-A**
**Matrix: Solid**
**Analysis Batch: 43702**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 01/12/23 23:31 | 1 |

**Lab Sample ID: LCS 880-43639/2-A**
**Matrix: Solid**
**Analysis Batch: 43702**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 258.2 | | mg/Kg | | 103 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-43639/3-A**
**Matrix: Solid**
**Analysis Batch: 43702**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 268.5 | | mg/Kg | | 107 | 90 - 110 | 4 | 20 |

**Lab Sample ID: 890-3780-1 MS**
**Matrix: Solid**
**Analysis Batch: 43702**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 115 | F1 | 251 | 305.9 | F1 | mg/Kg | | 76 | 90 - 110 | | |

**Lab Sample ID: 890-3780-1 MSD**
**Matrix: Solid**
**Analysis Batch: 43702**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 115 | F1 | 251 | 307.2 | F1 | mg/Kg | | 77 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-3780-11 MS**
**Matrix: Solid**
**Analysis Batch: 43702**

**Client Sample ID: S-2 (4-4.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 484 | F1 | 251 | 653.6 | F1 | mg/Kg | | 68 | 90 - 110 | | |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: 890-3780-11 MSD**
**Matrix: Solid**
**Analysis Batch: 43702**

**Client Sample ID: S-2 (4-4.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 484 | F1 | 251 | 688.4 | F1 | mg/Kg | | 82 | 90 - 110 | 5 | 20 |

**Lab Sample ID: MB 880-44423/1-A**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 01/24/23 03:32 | 1 |

**Lab Sample ID: LCS 880-44423/2-A**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 265.6 | | mg/Kg | | 106 | 90 - 110 |

**Lab Sample ID: LCSD 880-44423/3-A**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 264.8 | | mg/Kg | | 106 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-3780-7 MS**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: S-2 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1390 | F1 | 1260 | 2947 | F1 | mg/Kg | | 124 | 90 - 110 |

**Lab Sample ID: 890-3780-7 MSD**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: S-2 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1390 | F1 | 1260 | 3132 | F1 | mg/Kg | | 139 | 90 - 110 | 6 | 20 |

**Lab Sample ID: MB 880-44628/1-A**
**Matrix: Solid**
**Analysis Batch: 44685**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 01/24/23 23:16 | 1 |

**Lab Sample ID: LCS 880-44628/2-A**
**Matrix: Solid**
**Analysis Batch: 44685**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 267.7 | | mg/Kg | | 107 | 90 - 110 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: LCS 880-44628/3-A**
**Matrix: Solid**
**Analysis Batch: 44685**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 268.3 | | mg/Kg | | 107 | 90 - 110 | | |

**Lab Sample ID: 890-3780-1 MS**
**Matrix: Solid**
**Analysis Batch: 44685**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3410 | | 1260 | 4767 | | mg/Kg | | 108 | 90 - 110 | | |

**Lab Sample ID: 890-3780-1 MSD**
**Matrix: Solid**
**Analysis Batch: 44685**

**Client Sample ID: S-1 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3410 | | 1260 | 4777 | | mg/Kg | | 109 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-3780-11 MS**
**Matrix: Solid**
**Analysis Batch: 44685**

**Client Sample ID: S-2 (4-4.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3040 | F1 | 1250 | 4457 | F1 | mg/Kg | | 113 | 90 - 110 | | |

**Lab Sample ID: 890-3780-11 MSD**
**Matrix: Solid**
**Analysis Batch: 44685**

**Client Sample ID: S-2 (4-4.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3040 | F1 | 1250 | 4459 | F1 | mg/Kg | | 113 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## GC VOA

### Prep Batch: 43512

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-1 | S-1 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3780-2 | S-1 (1-1.5') | Total/NA | Solid | 5035 | |
| 890-3780-3 | S-1 (2-2.5') | Total/NA | Solid | 5035 | |
| 890-3780-4 | S-1 (3-3.5') | Total/NA | Solid | 5035 | |
| 890-3780-5 | S-1 (4-4.5') | Total/NA | Solid | 5035 | |
| 890-3780-6 | S-1 (5-5.5') | Total/NA | Solid | 5035 | |
| 890-3780-7 | S-2 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3780-8 | S-2 (1-1.5') | Total/NA | Solid | 5035 | |
| 890-3780-9 | S-2 (2-2.5') | Total/NA | Solid | 5035 | |
| 890-3780-10 | S-2 (3-3.5') | Total/NA | Solid | 5035 | |
| 890-3780-11 | S-2 (4-4.5') | Total/NA | Solid | 5035 | |
| 890-3780-12 | S-2 (5-5.5') | Total/NA | Solid | 5035 | |
| 890-3780-13 | H-1 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3780-14 | H-2 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3780-15 | H-3 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3780-16 | H-4 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3780-18 | H-6 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3780-19 | H-7 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3780-20 | H-8 (0-0.5') | Total/NA | Solid | 5035 | |
| MB 880-43512/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43512/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43512/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-3780-1 MS | S-1 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3780-1 MSD | S-1 (0-0.5') | Total/NA | Solid | 5035 | |

### Prep Batch: 43537

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-43537/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 43654

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-43654/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Analysis Batch: 43784

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-1 | S-1 (0-0.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-2 | S-1 (1-1.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-3 | S-1 (2-2.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-4 | S-1 (3-3.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-5 | S-1 (4-4.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-6 | S-1 (5-5.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-7 | S-2 (0-0.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-8 | S-2 (1-1.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-9 | S-2 (2-2.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-10 | S-2 (3-3.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-11 | S-2 (4-4.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-12 | S-2 (5-5.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-13 | H-1 (0-0.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-14 | H-2 (0-0.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-15 | H-3 (0-0.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-16 | H-4 (0-0.5') | Total/NA | Solid | 8021B | 43512 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## GC VOA (Continued)

### Analysis Batch: 43784 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-18 | H-6 (0-0.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-19 | H-7 (0-0.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-20 | H-8 (0-0.5') | Total/NA | Solid | 8021B | 43512 |
| MB 880-43512/5-A | Method Blank | Total/NA | Solid | 8021B | 43512 |
| MB 880-43537/5-A | Method Blank | Total/NA | Solid | 8021B | 43537 |
| LCS 880-43512/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43512 |
| LCSD 880-43512/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43512 |
| 890-3780-1 MS | S-1 (0-0.5') | Total/NA | Solid | 8021B | 43512 |
| 890-3780-1 MSD | S-1 (0-0.5') | Total/NA | Solid | 8021B | 43512 |

### Prep Batch: 43832

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-17 | H-5 (0-0.5') | Total/NA | Solid | 5035 | |
| MB 880-43832/5-B | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43832/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43832/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-3817-A-4-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-3817-A-4-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 43866

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-17 | H-5 (0-0.5') | Total/NA | Solid | 8021B | 43832 |
| MB 880-43654/5-A | Method Blank | Total/NA | Solid | 8021B | 43654 |
| MB 880-43832/5-B | Method Blank | Total/NA | Solid | 8021B | 43832 |
| LCS 880-43832/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43832 |
| LCSD 880-43832/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43832 |
| 890-3817-A-4-D MS | Matrix Spike | Total/NA | Solid | 8021B | 43832 |
| 890-3817-A-4-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43832 |

### Analysis Batch: 43867

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-1 | S-1 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-2 | S-1 (1-1.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-3 | S-1 (2-2.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-4 | S-1 (3-3.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-5 | S-1 (4-4.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-6 | S-1 (5-5.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-7 | S-2 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-8 | S-2 (1-1.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-9 | S-2 (2-2.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-10 | S-2 (3-3.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-11 | S-2 (4-4.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-12 | S-2 (5-5.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-13 | H-1 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-14 | H-2 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-15 | H-3 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-16 | H-4 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-17 | H-5 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-18 | H-6 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-19 | H-7 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3780-20 | H-8 (0-0.5') | Total/NA | Solid | Total BTEX | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## GC Semi VOA

### Prep Batch: 43744

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-1 | S-1 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-2 | S-1 (1-1.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-3 | S-1 (2-2.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-4 | S-1 (3-3.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-5 | S-1 (4-4.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-6 | S-1 (5-5.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-7 | S-2 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-8 | S-2 (1-1.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-9 | S-2 (2-2.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-10 | S-2 (3-3.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-11 | S-2 (4-4.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-12 | S-2 (5-5.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-13 | H-1 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-14 | H-2 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-15 | H-3 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-16 | H-4 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-17 | H-5 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-18 | H-6 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-19 | H-7 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-20 | H-8 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-43744/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43744/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43744/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3780-1 MS | S-1 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3780-1 MSD | S-1 (0-0.5') | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 43779

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-1 | S-1 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-2 | S-1 (1-1.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-3 | S-1 (2-2.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-4 | S-1 (3-3.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-5 | S-1 (4-4.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-6 | S-1 (5-5.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-7 | S-2 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-8 | S-2 (1-1.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-9 | S-2 (2-2.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-10 | S-2 (3-3.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-11 | S-2 (4-4.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-12 | S-2 (5-5.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-13 | H-1 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-14 | H-2 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-15 | H-3 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-16 | H-4 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-17 | H-5 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-18 | H-6 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-19 | H-7 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-20 | H-8 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| MB 880-43744/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43744 |
| LCS 880-43744/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43744 |
| LCSD 880-43744/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43744 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## GC Semi VOA (Continued)

### Analysis Batch: 43779 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-1 MS | S-1 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |
| 890-3780-1 MSD | S-1 (0-0.5') | Total/NA | Solid | 8015B NM | 43744 |

### Analysis Batch: 43891

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-1 | S-1 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-2 | S-1 (1-1.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-3 | S-1 (2-2.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-4 | S-1 (3-3.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-5 | S-1 (4-4.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-6 | S-1 (5-5.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-7 | S-2 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-8 | S-2 (1-1.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-9 | S-2 (2-2.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-10 | S-2 (3-3.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-11 | S-2 (4-4.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-12 | S-2 (5-5.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-13 | H-1 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-14 | H-2 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-15 | H-3 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-16 | H-4 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-17 | H-5 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-18 | H-6 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-19 | H-7 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3780-20 | H-8 (0-0.5') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 43639

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-1 | S-1 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-2 | S-1 (1-1.5') | Soluble | Solid | DI Leach | |
| 890-3780-3 | S-1 (2-2.5') | Soluble | Solid | DI Leach | |
| 890-3780-4 | S-1 (3-3.5') | Soluble | Solid | DI Leach | |
| 890-3780-5 | S-1 (4-4.5') | Soluble | Solid | DI Leach | |
| 890-3780-6 | S-1 (5-5.5') | Soluble | Solid | DI Leach | |
| 890-3780-13 | H-1 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-14 | H-2 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-15 | H-3 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-16 | H-4 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-17 | H-5 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-18 | H-6 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-19 | H-7 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-20 | H-8 (0-0.5') | Soluble | Solid | DI Leach | |
| MB 880-43639/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43639/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43639/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3780-1 MS | S-1 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-1 MSD | S-1 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-11 MS | S-2 (4-4.5') | Soluble | Solid | DI Leach | |
| 890-3780-11 MSD | S-2 (4-4.5') | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## HPLC/IC

### Analysis Batch: 43702

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-1 | S-1 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-2 | S-1 (1-1.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-3 | S-1 (2-2.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-4 | S-1 (3-3.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-5 | S-1 (4-4.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-6 | S-1 (5-5.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-13 | H-1 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-14 | H-2 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-15 | H-3 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-16 | H-4 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-17 | H-5 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-18 | H-6 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-19 | H-7 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-20 | H-8 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| MB 880-43639/1-A | Method Blank | Soluble | Solid | 300.0 | 43639 |
| LCS 880-43639/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43639 |
| LCSD 880-43639/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43639 |
| 890-3780-1 MS | S-1 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-1 MSD | S-1 (0-0.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-11 MS | S-2 (4-4.5') | Soluble | Solid | 300.0 | 43639 |
| 890-3780-11 MSD | S-2 (4-4.5') | Soluble | Solid | 300.0 | 43639 |

### Leach Batch: 44423

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-7 | S-2 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-8 | S-2 (1-1.5') | Soluble | Solid | DI Leach | |
| 890-3780-9 | S-2 (2-2.5') | Soluble | Solid | DI Leach | |
| 890-3780-10 | S-2 (3-3.5') | Soluble | Solid | DI Leach | |
| 890-3780-11 | S-2 (4-4.5') | Soluble | Solid | DI Leach | |
| 890-3780-12 | S-2 (5-5.5') | Soluble | Solid | DI Leach | |
| MB 880-44423/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-44423/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-44423/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3780-7 MS | S-2 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-7 MSD | S-2 (0-0.5') | Soluble | Solid | DI Leach | |

### Analysis Batch: 44568

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3780-7 | S-2 (0-0.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3780-8 | S-2 (1-1.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3780-9 | S-2 (2-2.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3780-10 | S-2 (3-3.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3780-11 | S-2 (4-4.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3780-12 | S-2 (5-5.5') | Soluble | Solid | 300.0 | 44423 |
| MB 880-44423/1-A | Method Blank | Soluble | Solid | 300.0 | 44423 |
| LCS 880-44423/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 44423 |
| LCSD 880-44423/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 44423 |
| 890-3780-7 MS | S-2 (0-0.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3780-7 MSD | S-2 (0-0.5') | Soluble | Solid | 300.0 | 44423 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## HPLC/IC

### Leach Batch: 44628

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-44628/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-44628/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCS 880-44628/3-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| 890-3780-1 MS | S-1 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-1 MSD | S-1 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3780-11 MS | S-2 (4-4.5') | Soluble | Solid | DI Leach | |
| 890-3780-11 MSD | S-2 (4-4.5') | Soluble | Solid | DI Leach | |

### Analysis Batch: 44685

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-44628/1-A | Method Blank | Soluble | Solid | 300.0 | 44628 |
| LCS 880-44628/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 44628 |
| LCS 880-44628/3-A | Lab Control Sample | Soluble | Solid | 300.0 | 44628 |
| 890-3780-1 MS | S-1 (0-0.5') | Soluble | Solid | 300.0 | 44628 |
| 890-3780-1 MSD | S-1 (0-0.5') | Soluble | Solid | 300.0 | 44628 |
| 890-3780-11 MS | S-2 (4-4.5') | Soluble | Solid | 300.0 | 44628 |
| 890-3780-11 MSD | S-2 (4-4.5') | Soluble | Solid | 300.0 | 44628 |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-1 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-1
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 02:21 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 10:37 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/12/23 23:45 | CH | EET MID |

## Client Sample ID: S-1 (1-1.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-2
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 02:48 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 11:43 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 13:50 | CH | EET MID |

## Client Sample ID: S-1 (2-2.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-3
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 03:15 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 12:04 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 00:04 | CH | EET MID |

## Client Sample ID: S-1 (3-3.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 03:42 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-1 (3-3.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-4**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 12:26 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 00:09 | CH | EET MID |

## Client Sample ID: S-1 (4-4.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-5**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 04:08 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 12:48 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 00:14 | CH | EET MID |

## Client Sample ID: S-1 (5-5.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-6**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 04:35 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 13:09 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 00:28 | CH | EET MID |

## Client Sample ID: S-2 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-7**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 05:02 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 13:31 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-2 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-7**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44568 | 01/24/23 03:51 | CH | EET MID |

## Client Sample ID: S-2 (1-1.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-8**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 05:29 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 13:53 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 04:09 | CH | EET MID |

## Client Sample ID: S-2 (2-2.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-9**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 05:56 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 14:14 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 04:15 | CH | EET MID |

## Client Sample ID: S-2 (3-3.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-10**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 06:23 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 08:12 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 14:36 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 04:21 | CH | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: S-2 (4-4.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-11
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 08:12 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 13:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 15:42 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44568 | 01/24/23 04:28 | CH | EET MID |

## Client Sample ID: S-2 (5-5.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-12
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 08:39 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 13:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 16:04 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44568 | 01/24/23 04:46 | CH | EET MID |

## Client Sample ID: H-1 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-13
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 09:06 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 13:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 16:26 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 01:11 | CH | EET MID |

## Client Sample ID: H-2 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-14
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 09:33 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 13:28 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: H-2 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-14
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 16:48 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 01:25 | CH | EET MID |

## Client Sample ID: H-3 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-15
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 09:59 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 13:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 17:10 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 01:30 | CH | EET MID |

## Client Sample ID: H-4 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-16
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 10:26 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 13:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 17:32 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 01:35 | CH | EET MID |

## Client Sample ID: H-5 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3780-17
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43832 | 01/12/23 14:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/14/23 07:43 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 17:54 | AJ | EET MID |

Eurofins Carlsbad

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Client Sample ID: H-5 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-17**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 01:39 | CH | EET MID |

## Client Sample ID: H-6 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-18**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 11:19 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 13:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 18:16 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 01:44 | CH | EET MID |

## Client Sample ID: H-7 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-19**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 11:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 13:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 18:38 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 01:49 | CH | EET MID |

## Client Sample ID: H-8 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3780-20**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 43512 | 01/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43784 | 01/13/23 12:13 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43867 | 01/13/23 13:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43891 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 43744 | 01/11/23 13:21 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 19:00 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 43639 | 01/10/23 12:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43702 | 01/13/23 01:53 | CH | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

# Method Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

**Protocol References:**

ASTM = ASTM International
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3780-1
SDG: Lea County NM

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 890-3780-1 | S-1 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-2 | S-1 (1-1.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-3 | S-1 (2-2.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-4 | S-1 (3-3.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-5 | S-1 (4-4.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-6 | S-1 (5-5.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-7 | S-2 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-8 | S-2 (1-1.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-9 | S-2 (2-2.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-10 | S-2 (3-3.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-11 | S-2 (4-4.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-12 | S-2 (5-5.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-13 | H-1 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-14 | H-2 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-15 | H-3 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-16 | H-4 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-17 | H-5 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-18 | H-6 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-19 | H-7 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |
| 890-3780-20 | H-8 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 |

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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____

Page 1 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐
State of Project:
Reporting:Level ☐ Level I☐ PST/U☐ TR☐P Le☐el
Deliverables: EDD☐ ADaPT☐ Other:

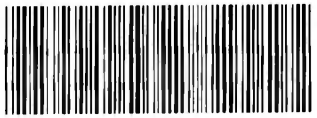
| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 Fed Com Battery | Turn Around | ☑ Routine ☐ Rush |
| Project Number: | 226700 | Due Date: | |
| Project Location | Lea County, NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Kellan Smith | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | TAM-007 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | -0.2 |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | 1.7 |
| Total Containers: | | Corrected Temperature: | 1.5 |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-1 (0-0.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-1 (1-1.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-1 (2-2.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-1 (3-3.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-1 (4-4.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-1 (5-5.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-2 (0-0.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-2 (1-1.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-2 (2-2.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-2 (3-3.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |




**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | | Amanda Stut | 1-6-23 1608 | | | |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date 05012020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

1/27/2023 (Rev. 1)

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# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 2 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level I☐ PST/U☐ TR☐P Le☐l

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 Fed Com Battery | Turn Around | ☑ Routine ☐ Rush |
| Project Number: | 226700 | Due Date: | |
| Project Location | Lea County, NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Kellan Smith | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | |
| Total Containers: | | Corrected Temperature: | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S-2 (4-4.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |
| S-2 (5-5.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |
| H-1 (0-0.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |
| H-2 (0-0.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |
| H-3 (0-0.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |
| H-4 (0-0.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |
| H-5 (0-0.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |
| H-6 (0-0.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |
| H-7 (0-0.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |
| H-8 (0-0.5') | 1/5/2023 | | x | | Grab | | x | x | x | | |

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | | 1-6-23 1608 | | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date 0501 2020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3780-1
SDG Number: Lea County NM

**Login Number: 3780**
**List Number: 1**
**Creator: Stutzman, Amanda**

**List Source: Eurofins Carlsbad**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | N/A | Refer to Job Narrative for details. |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3780-1
SDG Number: Lea County NM

**Login Number: 3780**
**List Number: 2**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**
**List Creation: 01/10/23 10:43 AM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Becky Haskell
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 1/27/2023 7:40:18 AM Revision 1

## JOB DESCRIPTION

Diamondback 24-25 Fed Com Battery
SDG NUMBER 226700

## JOB NUMBER

890-3781-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.



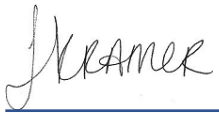
Released to Imaging: 4/2/2025 2:01:51 PM

# Eurofins Carlsbad

## Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated
1/27/2023 7:40:18 AM
Revision 1

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Released to Imaging: 4/2/2025 2:01:51 PM

# Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| *1 | LCS/LCSD RPD exceeds control limits. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Job ID: 890-3781-1

### Laboratory: Eurofins Carlsbad

**Narrative**

**Job Narrative**
**890-3781-1**

REVISION

The report being provided is a revision of the original report sent on 1/16/2023. The report (revision 1) is being revised due to Per client email, requesting chloride data be reviewed.

Report revision history

**Receipt**
The samples were received on 1/6/2023 4:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: S-3 (0-0.5') (890-3781-1), S-3 (1-1.5') (890-3781-2), S-3 (2-2.5') (890-3781-3), S-3 (3-3.5') (890-3781-4), S-3 (4-4.5') (890-3781-5), S-3 (5-5.5') (890-3781-6), S-4 (0-0.5') (890-3781-7), S-4 (1-1.5') (890-3781-8), S-4 (2-2.5') (890-3781-9), S-4 (3-3.5') (890-3781-10), S-4 (4-5') (890-3781-11), S-4 (5-5.5') (890-3781-12), S-5 (0-0.5') (890-3781-13), S-5 (1-1.5') (890-3781-14), S-5 (2-2.5') (890-3781-15), S-5 (3-3.5') (890-3781-16), S-5 (4-4.5') (890-3781-17), S-5 (5-5.5') (890-3781-18), S-6 (0-0.5') (890-3781-19), S-6 (1-1.5') (890-3781-20), S-6 (2-2.5') (890-3781-21), S-6 (3-3.5') (890-3781-22), S-6 (4-4.5') (890-3781-23) and S-6 (5-5.5') (890-3781-24).

**GC VOA**
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43731 and analytical batch 880-43697 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-3 (0-0.5') (890-3781-1), S-3 (4-4.5') (890-3781-5), S-3 (5-5.5') (890-3781-6), S-4 (4-5') (890-3781-11) and S-5 (2-2.5') (890-3781-15). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-43713 and analytical batch 880-43779 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43713/1-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43640 and 880-43640 and analytical batch 880-43700 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43630 and analytical batch 880-43705 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Job ID: 890-3781-1 (Continued)

### Laboratory: Eurofins Carlsbad (Continued)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44629 and analytical batch 880-44686 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44423 and analytical batch 880-44568 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-3 (0-0.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 0 - 1.5**

**Lab Sample ID: 890-3781-1**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:00 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:00 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:00 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:00 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:00 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 13:00* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 13:00* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 01/13/23 14:59 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 10:37 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 10:37 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 10:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *126* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 10:37* | *1* |
| *o-Terphenyl* | *138* | *S1+* | *70 - 130* | *01/11/23 13:23* | *01/12/23 10:37* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **84.8** | | 5.00 | | mg/Kg | | | 01/24/23 04:52 | 1 |

## Client Sample ID: S-3 (1-1.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 1 - 1.5**

**Lab Sample ID: 890-3781-2**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:20 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:20 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:20 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:20 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:20 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 13:20* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-3 (1-1.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 1 - 1.5**

## Lab Sample ID: 890-3781-2

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 13:20* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 14:59 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 11:43 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 11:43 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 11:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 11:43* | *1* |
| *o-Terphenyl* | *117* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 11:43* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **64.1** | | 5.03 | | mg/Kg | | | 01/24/23 04:58 | 1 |

## Client Sample ID: S-3 (2-2.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 2 - 2.5**

## Lab Sample ID: 890-3781-3

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:41 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:41 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:41 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:41 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:41 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 13:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *111* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 13:41* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 13:41* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 14:59 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:42 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-3 (2-2.5')

**Lab Sample ID: 890-3781-3**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 2 - 2.5**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 12:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 12:04 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 12:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 12:04* | *1* |
| *o-Terphenyl* | *121* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 12:04* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **110** | | 5.02 | | mg/Kg | | | 01/24/23 05:05 | 1 |

## Client Sample ID: S-3 (3-3.5')

**Lab Sample ID: 890-3781-4**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 3 - 3.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 01:47 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 01:47 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 01:47 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 01:47 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 01:47 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 01:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *113* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 01:47* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 01:47* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 12:26 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 12:26 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 12:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 12:26* | *1* |
| *o-Terphenyl* | *120* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 12:26* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-3 (3-3.5')

**Lab Sample ID: 890-3781-4**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 3 - 3.5**

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 103 | | 4.98 | | mg/Kg | | | 01/24/23 05:11 | 1 |

## Client Sample ID: S-3 (4-4.5')

**Lab Sample ID: 890-3781-5**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 4 - 4.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:08 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:08 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:08 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:08 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:08 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *116* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 02:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 02:08* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 12:48 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 12:48 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 12:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *133* | *S1+* | *70 - 130* | *01/11/23 13:23* | *01/12/23 12:48* | *1* |
| *o-Terphenyl* | *145* | *S1+* | *70 - 130* | *01/11/23 13:23* | *01/12/23 12:48* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 132 | F1 | 4.96 | | mg/Kg | | | 01/24/23 05:17 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-3 (5-5.5')

**Lab Sample ID: 890-3781-6**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 5 - 5.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:28 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:28 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:28 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:28 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:28 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *132* | *S1+* | *70 - 130* | *01/12/23 14:48* | *01/14/23 02:28* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 02:28* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 13:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 13:09 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 13:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *124* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 13:09* | *1* |
| *o-Terphenyl* | *133* | *S1+* | *70 - 130* | *01/11/23 13:23* | *01/12/23 13:09* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **148** | | 5.04 | | mg/Kg | | | 01/24/23 05:35 | 1 |

## Client Sample ID: S-4 (0-0.5')

**Lab Sample ID: 890-3781-7**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 0 - 1**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:49 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:49 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:49 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:49 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:49 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 02:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 02:49* | *1* |

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# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-4 (0-0.5')

**Lab Sample ID: 890-3781-7**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 0 - 1**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 02:49* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **485** | | 49.9 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 13:31 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **393** | | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 13:31 | 1 |
| **Oil Range Organics (Over C28-C36)** | **91.9** | | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 13:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *124* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 13:31* | *1* |
| *o-Terphenyl* | *130* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 13:31* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **408** | | 4.97 | | mg/Kg | | | 01/24/23 05:41 | 1 |

## Client Sample ID: S-4 (1-1.5')

**Lab Sample ID: 890-3781-8**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 1 - 1.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:09 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:09 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:09 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:09 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:09 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *112* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 03:09* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 03:09* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 01/16/23 17:00 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-4 (1-1.5')

**Lab Sample ID: 890-3781-8**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 1 - 1.5**

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 13:53 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 13:53 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 13:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *104* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 13:53* | *1* |
| *o-Terphenyl* | *116* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 13:53* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **257** | | 5.03 | | mg/Kg | | | 01/24/23 06:00 | 1 |

## Client Sample ID: S-4 (2-2.5')

**Lab Sample ID: 890-3781-9**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 2 - 2.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:29 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:29 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:29 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:29 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:29 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 03:29* | *1* |
| *1,4-Difluorobenzene (Surr)* | *105* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 03:29* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 14:14 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 14:14 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 14:14 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-4 (2-2.5')

**Lab Sample ID: 890-3781-9**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 2 - 2.5**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 14:14* | *1* |
| *o-Terphenyl* | *111* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 14:14* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **244** | | 5.00 | | mg/Kg | | | 01/24/23 06:06 | 1 |

## Client Sample ID: S-4 (3-3.5')

**Lab Sample ID: 890-3781-10**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 3 - 3.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:50 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:50 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:50 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:50 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:50 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 03:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *118* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 03:50* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 03:50* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 14:36 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 14:36 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 14:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *83* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 14:36* | *1* |
| *o-Terphenyl* | *94* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 14:36* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **362** | | 4.98 | | mg/Kg | | | 01/24/23 06:12 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-4 (4-5')

**Lab Sample ID: 890-3781-11**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 4 - 4.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:04 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:04 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:04 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:04 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:04 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *111* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 18:04* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 18:04* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 15:42 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 15:42 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 15:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *127* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 15:42* | *1* |
| *o-Terphenyl* | *140* | *S1+* | *70 - 130* | *01/11/23 13:23* | *01/12/23 15:42* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **428** | | 4.97 | | mg/Kg | | | 01/24/23 06:19 | 1 |

## Client Sample ID: S-4 (5-5.5')

**Lab Sample ID: 890-3781-12**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 5 - 5.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:24 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:24 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:24 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:24 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:24 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 18:24* | *1* |

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# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-4 (5-5.5')

**Lab Sample ID: 890-3781-12**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 5 - 5.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 18:24* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 16:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 16:04 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 16:04 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 16:04* | *1* |
| *o-Terphenyl* | *110* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 16:04* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **558** | | 5.02 | | mg/Kg | | | 01/24/23 06:25 | 1 |

## Client Sample ID: S-5 (0-0.5')

**Lab Sample ID: 890-3781-13**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 0 - 1**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:45 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:45 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:45 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:45 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:45 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 18:45 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *119* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 18:45* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 18:45* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **90.9** | | 50.0 | | mg/Kg | | | 01/13/23 12:42 | 1 |

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# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-5 (0-0.5')

**Lab Sample ID: 890-3781-13**
**Matrix: Solid**

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 0 - 1**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 16:26 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **90.9** | | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 16:26 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 16:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 16:26* | *1* |
| *o-Terphenyl* | *116* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 16:26* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **71.9** | | 5.00 | | mg/Kg | | | 01/13/23 09:38 | 1 |

## Client Sample ID: S-5 (1-1.5')

**Lab Sample ID: 890-3781-14**
**Matrix: Solid**

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 1 - 1.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:05 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:05 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:05 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:05 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:05 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *120* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 19:05* | *1* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 19:05* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 16:48 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 16:48 | 1 |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 16:48* | *1* |
| *o-Terphenyl* | *114* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 16:48* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-5 (1-1.5')

**Lab Sample ID: 890-3781-14**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 1 - 1.5**

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 57.2 | | 4.98 | | mg/Kg | | | 01/13/23 09:57 | 1 |

## Client Sample ID: S-5 (2-2.5')

**Lab Sample ID: 890-3781-15**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 2 - 2.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:26 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:26 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:26 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:26 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:26 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *113* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 19:26* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 19:26* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 17:10 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 17:10 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 17:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *125* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 17:10* | *1* |
| *o-Terphenyl* | *138* | *S1+* | *70 - 130* | *01/11/23 13:23* | *01/12/23 17:10* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 42.2 | | 4.96 | | mg/Kg | | | 01/13/23 10:03 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-5 (3-3.5')

**Lab Sample ID: 890-3781-16**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 3 - 3.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:46 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:46 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:46 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:46 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:46 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 19:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 19:46* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 19:46* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 17:32 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 17:32 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 17:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 17:32* | *1* |
| *o-Terphenyl* | *119* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 17:32* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **124** | | 4.97 | | mg/Kg | | | 01/13/23 10:09 | 1 |

## Client Sample ID: S-5 (4-4.5')

**Lab Sample ID: 890-3781-17**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 4 - 4.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:07 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:07 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:07 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:07 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:07 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 20:07* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-5 (4-4.5')

**Lab Sample ID: 890-3781-17**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 4 - 4.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 20:07* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 17:54 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 17:54 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 17:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 17:54* | *1* |
| *o-Terphenyl* | *117* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 17:54* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **52.4** | | 5.00 | | mg/Kg | | | 01/13/23 10:15 | 1 |

## Client Sample ID: S-5 (5-5.5')

**Lab Sample ID: 890-3781-18**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 5 - 5.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:27 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:27 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:27 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:27 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:27 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *117* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 20:27* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 20:27* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:42 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-5 (5-5.5')

**Lab Sample ID: 890-3781-18**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 5 - 5.5**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 18:16 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 18:16 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 18:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 18:16* | *1* |
| *o-Terphenyl* | *112* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 18:16* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **67.4** | | 4.98 | | mg/Kg | | | 01/13/23 10:21 | 1 |

## Client Sample ID: S-6 (0-0.5')

**Lab Sample ID: 890-3781-19**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 0 - 1**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:47 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:47 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:47 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:47 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:47 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 20:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *122* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 20:47* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 20:47* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 18:38 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 18:38 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 18:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 18:38* | *1* |
| *o-Terphenyl* | *107* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 18:38* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-6 (0-0.5')

**Lab Sample ID: 890-3781-19**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 0 - 1**

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 40.1 | | 4.95 | | mg/Kg | | | 01/13/23 10:27 | 1 |

## Client Sample ID: S-6 (1-1.5')

**Lab Sample ID: 890-3781-20**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 1 - 1.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 21:08 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 21:08 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 21:08 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 21:08 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 21:08 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 21:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 21:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *105* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 21:08* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/16/23 17:00 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:42 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 19:00 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 19:00 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 19:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 19:00* | *1* |
| *o-Terphenyl* | *121* | | *70 - 130* | *01/11/23 13:23* | *01/12/23 19:00* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 43.8 | | 5.00 | | mg/Kg | | | 01/13/23 10:34 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-6 (2-2.5')

**Lab Sample ID: 890-3781-21**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 2 - 2.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:18 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:18 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:18 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:18 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:18 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *70 - 130* | *01/11/23 10:48* | *01/12/23 05:18* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *01/11/23 10:48* | *01/12/23 05:18* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/12/23 13:07 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 20:49 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 20:49 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 20:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *114* | | *70 - 130* | *01/11/23 09:47* | *01/12/23 20:49* | *1* |
| *o-Terphenyl* | *103* | | *70 - 130* | *01/11/23 09:47* | *01/12/23 20:49* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **219** | | 5.00 | | mg/Kg | | | 01/13/23 07:02 | 1 |

## Client Sample ID: S-6 (3-3.5')

**Lab Sample ID: 890-3781-22**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 3 - 3.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:39 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:39 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:39 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:39 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:39 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/11/23 10:48 | 01/12/23 05:39 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *01/11/23 10:48* | *01/12/23 05:39* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-6 (3-3.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 3 - 3.5**

**Lab Sample ID: 890-3781-22**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *01/11/23 10:48* | *01/12/23 05:39* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/12/23 13:07 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 21:54 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *1 | 49.9 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 21:54 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 21:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *96* | | *70 - 130* | *01/11/23 09:47* | *01/12/23 21:54* | *1* |
| *o-Terphenyl* | *92* | | *70 - 130* | *01/11/23 09:47* | *01/12/23 21:54* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 274 | | 5.00 | | mg/Kg | | | 01/13/23 07:07 | 1 |

## Client Sample ID: S-6 (4-4.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 4 - 4.5**

**Lab Sample ID: 890-3781-23**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:26 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:26 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:26 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:26 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:26 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *111* | | *70 - 130* | *01/12/23 09:36* | *01/13/23 02:26* | *1* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* | *01/12/23 09:36* | *01/13/23 02:26* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 01/13/23 07:51 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

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# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-6 (4-4.5')

**Lab Sample ID: 890-3781-23**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 4 - 4.5**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 22:16 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 22:16 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 22:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *95* | | *70 - 130* | *01/11/23 09:47* | *01/12/23 22:16* | *1* |
| *o-Terphenyl* | *92* | | *70 - 130* | *01/11/23 09:47* | *01/12/23 22:16* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **189** | | 5.03 | | mg/Kg | | | 01/13/23 07:11 | 1 |

## Client Sample ID: S-6 (5-5.5')

**Lab Sample ID: 890-3781-24**
**Matrix: Solid**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 5 - 5.5**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:46 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:46 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:46 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:46 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:46 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 02:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *01/12/23 09:36* | *01/13/23 02:46* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *01/12/23 09:36* | *01/13/23 02:46* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 01/13/23 07:51 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 01/13/23 12:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 22:38 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 22:38 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 22:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *93* | | *70 - 130* | *01/11/23 09:47* | *01/12/23 22:38* | *1* |
| *o-Terphenyl* | *92* | | *70 - 130* | *01/11/23 09:47* | *01/12/23 22:38* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

**Client Sample ID: S-6 (5-5.5')**
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**
**Sample Depth: 5 - 5.5**

**Lab Sample ID: 890-3781-24**
**Matrix: Solid**

**Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 228 | | 4.99 | | mg/Kg | | | 01/13/23 07:16 | 1 |

# Surrogate Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-23427-A-60-D MS | Matrix Spike | 106 | 104 |
| 880-23427-A-60-E MSD | Matrix Spike Duplicate | 100 | 104 |
| 890-3781-1 | S-3 (0-0.5') | 105 | 104 |
| 890-3781-1 MS | S-3 (0-0.5') | 110 | 106 |
| 890-3781-1 MSD | S-3 (0-0.5') | 108 | 104 |
| 890-3781-2 | S-3 (1-1.5') | 114 | 106 |
| 890-3781-3 | S-3 (2-2.5') | 111 | 102 |
| 890-3781-4 | S-3 (3-3.5') | 113 | 106 |
| 890-3781-5 | S-3 (4-4.5') | 116 | 104 |
| 890-3781-6 | S-3 (5-5.5') | 132 S1+ | 104 |
| 890-3781-7 | S-4 (0-0.5') | 114 | 103 |
| 890-3781-8 | S-4 (1-1.5') | 112 | 104 |
| 890-3781-9 | S-4 (2-2.5') | 114 | 105 |
| 890-3781-10 | S-4 (3-3.5') | 118 | 106 |
| 890-3781-11 | S-4 (4-5') | 111 | 106 |
| 890-3781-12 | S-4 (5-5.5') | 115 | 100 |
| 890-3781-13 | S-5 (0-0.5') | 119 | 101 |
| 890-3781-14 | S-5 (1-1.5') | 120 | 96 |
| 890-3781-15 | S-5 (2-2.5') | 113 | 103 |
| 890-3781-16 | S-5 (3-3.5') | 115 | 106 |
| 890-3781-17 | S-5 (4-4.5') | 115 | 106 |
| 890-3781-18 | S-5 (5-5.5') | 117 | 103 |
| 890-3781-19 | S-6 (0-0.5') | 122 | 104 |
| 890-3781-20 | S-6 (1-1.5') | 114 | 105 |
| 890-3781-21 | S-6 (2-2.5') | 91 | 90 |
| 890-3781-22 | S-6 (3-3.5') | 100 | 92 |
| 890-3781-23 | S-6 (4-4.5') | 111 | 108 |
| 890-3781-24 | S-6 (5-5.5') | 115 | 106 |
| 890-3815-A-3-D MS | Matrix Spike | 94 | 101 |
| 890-3815-A-3-E MSD | Matrix Spike Duplicate | 98 | 83 |
| LCS 880-43654/1-A | Lab Control Sample | 108 | 103 |
| LCS 880-43731/1-A | Lab Control Sample | 89 | 100 |
| LCS 880-43798/1-A | Lab Control Sample | 107 | 103 |
| LCS 880-43832/1-A | Lab Control Sample | 108 | 102 |
| LCSD 880-43654/2-A | Lab Control Sample Dup | 102 | 104 |
| LCSD 880-43731/2-A | Lab Control Sample Dup | 90 | 103 |
| LCSD 880-43798/2-A | Lab Control Sample Dup | 107 | 101 |
| LCSD 880-43832/2-A | Lab Control Sample Dup | 106 | 104 |
| MB 880-43543/5-A | Method Blank | 102 | 103 |
| MB 880-43654/5-A | Method Blank | 106 | 103 |
| MB 880-43675/5-A | Method Blank | 86 | 94 |
| MB 880-43731/5-A | Method Blank | 81 | 87 |
| MB 880-43798/5-A | Method Blank | 105 | 103 |
| MB 880-43832/5-B | Method Blank | 109 | 99 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

# Surrogate Summary

Client: NT Global
Job ID: 890-3781-1
Project/Site: Diamondback 24-25 Fed Com Battery
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-3781-1 | S-3 (0-0.5') | 126 | 138 S1+ |
| 890-3781-1 MS | S-3 (0-0.5') | 91 | 91 |
| 890-3781-1 MSD | S-3 (0-0.5') | 106 | 103 |
| 890-3781-2 | S-3 (1-1.5') | 106 | 117 |
| 890-3781-3 | S-3 (2-2.5') | 105 | 121 |
| 890-3781-4 | S-3 (3-3.5') | 105 | 120 |
| 890-3781-5 | S-3 (4-4.5') | 133 S1+ | 145 S1+ |
| 890-3781-6 | S-3 (5-5.5') | 124 | 133 S1+ |
| 890-3781-7 | S-4 (0-0.5') | 124 | 130 |
| 890-3781-8 | S-4 (1-1.5') | 104 | 116 |
| 890-3781-9 | S-4 (2-2.5') | 99 | 111 |
| 890-3781-10 | S-4 (3-3.5') | 83 | 94 |
| 890-3781-11 | S-4 (4-5') | 127 | 140 S1+ |
| 890-3781-12 | S-4 (5-5.5') | 98 | 110 |
| 890-3781-13 | S-5 (0-0.5') | 105 | 116 |
| 890-3781-14 | S-5 (1-1.5') | 102 | 114 |
| 890-3781-15 | S-5 (2-2.5') | 125 | 138 S1+ |
| 890-3781-16 | S-5 (3-3.5') | 105 | 119 |
| 890-3781-17 | S-5 (4-4.5') | 105 | 117 |
| 890-3781-18 | S-5 (5-5.5') | 99 | 112 |
| 890-3781-19 | S-6 (0-0.5') | 98 | 107 |
| 890-3781-20 | S-6 (1-1.5') | 106 | 121 |
| 890-3781-21 | S-6 (2-2.5') | 114 | 103 |
| 890-3781-21 MS | S-6 (2-2.5') | 87 | 82 |
| 890-3781-21 MSD | S-6 (2-2.5') | 105 | 94 |
| 890-3781-22 | S-6 (3-3.5') | 96 | 92 |
| 890-3781-23 | S-6 (4-4.5') | 95 | 92 |
| 890-3781-24 | S-6 (5-5.5') | 93 | 92 |
| LCS 880-43713/2-A | Lab Control Sample | 125 | 108 |
| LCS 880-43745/2-A | Lab Control Sample | 101 | 103 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | 101 | 85 |
| LCSD 880-43745/3-A | Lab Control Sample Dup | 117 | 115 |
| MB 880-43713/1-A | Method Blank | 140 S1+ | 123 |
| MB 880-43745/1-A | Method Blank | 138 S1+ | 148 S1+ |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-43543/5-A**
**Matrix: Solid**
**Analysis Batch: 43790**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43543**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 12:59 | 01/12/23 12:39 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 12:59 | 01/12/23 12:39 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 12:59 | 01/12/23 12:39 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/09/23 12:59 | 01/12/23 12:39 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/09/23 12:59 | 01/12/23 12:39 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/09/23 12:59 | 01/12/23 12:39 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *01/09/23 12:59* | *01/12/23 12:39* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *01/09/23 12:59* | *01/12/23 12:39* | *1* |

**Lab Sample ID: MB 880-43654/5-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43654**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/10/23 13:07 | 01/13/23 12:31 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 12:31* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *01/10/23 13:07* | *01/13/23 12:31* | *1* |

**Lab Sample ID: LCS 880-43654/1-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43654**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1099 | | mg/Kg | | 110 | 70 - 130 |
| Toluene | 0.100 | 0.1043 | | mg/Kg | | 104 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1020 | | mg/Kg | | 102 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2079 | | mg/Kg | | 104 | 70 - 130 |
| o-Xylene | 0.100 | 0.09906 | | mg/Kg | | 99 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: LCSD 880-43654/2-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43654**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1013 | | mg/Kg | | 101 | 70 - 130 | 8 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCSD 880-43654/2-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43654**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.09648 | | mg/Kg | | 96 | 70 - 130 | 8 | 35 |
| Ethylbenzene | | | 0.100 | 0.09355 | | mg/Kg | | 94 | 70 - 130 | 9 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1919 | | mg/Kg | | 96 | 70 - 130 | 8 | 35 |
| o-Xylene | | | 0.100 | 0.09158 | | mg/Kg | | 92 | 70 - 130 | 8 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

**Lab Sample ID: 890-3781-1 MS**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: S-3 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43654**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0998 | 0.1069 | | mg/Kg | | 107 | 70 - 130 |
| Toluene | <0.00200 | U | 0.0998 | 0.1005 | | mg/Kg | | 100 | 70 - 130 |
| Ethylbenzene | <0.00200 | U | 0.0998 | 0.09709 | | mg/Kg | | 97 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.200 | 0.1998 | | mg/Kg | | 100 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.0998 | 0.09520 | | mg/Kg | | 95 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* |

**Lab Sample ID: 890-3781-1 MSD**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: S-3 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43654**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0990 | 0.1072 | | mg/Kg | | 108 | 70 - 130 | 0 | 35 |
| Toluene | <0.00200 | U | 0.0990 | 0.1018 | | mg/Kg | | 102 | 70 - 130 | 1 | 35 |
| Ethylbenzene | <0.00200 | U | 0.0990 | 0.09867 | | mg/Kg | | 100 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.198 | 0.2033 | | mg/Kg | | 103 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00200 | U | 0.0990 | 0.09649 | | mg/Kg | | 97 | 70 - 130 | 1 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

**Lab Sample ID: MB 880-43675/5-A**
**Matrix: Solid**
**Analysis Batch: 43697**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43675**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-43675/5-A**
**Matrix: Solid**
**Analysis Batch: 43697**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43675**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *86* | | *70 - 130* | *01/10/23 15:19* | *01/11/23 11:10* | *1* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *01/10/23 15:19* | *01/11/23 11:10* | *1* |

**Lab Sample ID: MB 880-43731/5-A**
**Matrix: Solid**
**Analysis Batch: 43697**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43731**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/11/23 10:48 | 01/11/23 23:09 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/11/23 10:48 | 01/11/23 23:09 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/11/23 10:48 | 01/11/23 23:09 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/11/23 10:48 | 01/11/23 23:09 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/11/23 10:48 | 01/11/23 23:09 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/11/23 10:48 | 01/11/23 23:09 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *81* | | *70 - 130* | *01/11/23 10:48* | *01/11/23 23:09* | *1* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* | *01/11/23 10:48* | *01/11/23 23:09* | *1* |

**Lab Sample ID: LCS 880-43731/1-A**
**Matrix: Solid**
**Analysis Batch: 43697**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43731**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.09649 | | mg/Kg | | 96 | 70 - 130 |
| Toluene | 0.100 | 0.09278 | | mg/Kg | | 93 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.07810 | | mg/Kg | | 78 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1623 | | mg/Kg | | 81 | 70 - 130 |
| o-Xylene | 0.100 | 0.08971 | | mg/Kg | | 90 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *89* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* |

**Lab Sample ID: LCSD 880-43731/2-A**
**Matrix: Solid**
**Analysis Batch: 43697**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43731**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.09588 | | mg/Kg | | 96 | 70 - 130 | 1 | 35 |
| Toluene | 0.100 | 0.09162 | | mg/Kg | | 92 | 70 - 130 | 1 | 35 |
| Ethylbenzene | 0.100 | 0.07745 | | mg/Kg | | 77 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1600 | | mg/Kg | | 80 | 70 - 130 | 1 | 35 |
| o-Xylene | 0.100 | 0.08864 | | mg/Kg | | 89 | 70 - 130 | 1 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 90 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 |

**Lab Sample ID: 890-3815-A-3-D MS**
**Matrix: Solid**
**Analysis Batch: 43697**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 43731**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U F1 F2 | 0.0996 | 0.08390 | | mg/Kg | | 84 | 70 - 130 |
| Toluene | <0.00199 | U F1 | 0.0996 | 0.07789 | | mg/Kg | | 78 | 70 - 130 |
| Ethylbenzene | <0.00199 | U | 0.0996 | 0.06955 | | mg/Kg | | 70 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U F1 | 0.199 | 0.1409 | | mg/Kg | | 71 | 70 - 130 |
| o-Xylene | <0.00199 | U | 0.0996 | 0.08293 | | mg/Kg | | 83 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

**Lab Sample ID: 890-3815-A-3-E MSD**
**Matrix: Solid**
**Analysis Batch: 43697**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 43731**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U F1 F2 | 0.101 | 0.05430 | F1 F2 | mg/Kg | | 54 | 70 - 130 | 43 | 35 |
| Toluene | <0.00199 | U F1 | 0.101 | 0.06989 | F1 | mg/Kg | | 69 | 70 - 130 | 11 | 35 |
| Ethylbenzene | <0.00199 | U | 0.101 | 0.07491 | | mg/Kg | | 74 | 70 - 130 | 7 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U F1 | 0.202 | 0.1311 | F1 | mg/Kg | | 65 | 70 - 130 | 7 | 35 |
| o-Xylene | <0.00199 | U | 0.101 | 0.07783 | | mg/Kg | | 77 | 70 - 130 | 6 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 98 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 83 | | 70 - 130 |

**Lab Sample ID: MB 880-43798/5-A**
**Matrix: Solid**
**Analysis Batch: 43790**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43798**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 00:15 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 00:15 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 00:15 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 00:15 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 00:15 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/12/23 09:36 | 01/13/23 00:15 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | 01/12/23 09:36 | 01/13/23 00:15 | 1 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 | 01/12/23 09:36 | 01/13/23 00:15 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCS 880-43798/1-A**
**Matrix: Solid**
**Analysis Batch: 43790**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43798**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1072 | | mg/Kg | | 107 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.1006 | | mg/Kg | | 101 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.09693 | | mg/Kg | | 97 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2000 | | mg/Kg | | 100 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.09693 | | mg/Kg | | 97 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: LCSD 880-43798/2-A**
**Matrix: Solid**
**Analysis Batch: 43790**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43798**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1049 | | mg/Kg | | 105 | 70 - 130 | 2 | 35 |
| Toluene | | | 0.100 | 0.09922 | | mg/Kg | | 99 | 70 - 130 | 1 | 35 |
| Ethylbenzene | | | 0.100 | 0.09609 | | mg/Kg | | 96 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1987 | | mg/Kg | | 99 | 70 - 130 | 1 | 35 |
| o-Xylene | | | 0.100 | 0.09567 | | mg/Kg | | 96 | 70 - 130 | 1 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* |

**Lab Sample ID: 880-23427-A-60-D MS**
**Matrix: Solid**
**Analysis Batch: 43790**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 43798**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0998 | 0.1076 | | mg/Kg | | 108 | 70 - 130 | | |
| Toluene | <0.00200 | U | 0.0998 | 0.09829 | | mg/Kg | | 98 | 70 - 130 | | |
| Ethylbenzene | <0.00200 | U | 0.0998 | 0.09621 | | mg/Kg | | 96 | 70 - 130 | | |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1987 | | mg/Kg | | 100 | 70 - 130 | | |
| o-Xylene | <0.00200 | U | 0.0998 | 0.09623 | | mg/Kg | | 96 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

**Lab Sample ID: 880-23427-A-60-E MSD**
**Matrix: Solid**
**Analysis Batch: 43790**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 43798**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.101 | 0.09822 | | mg/Kg | | 97 | 70 - 130 | 9 | 35 |
| Toluene | <0.00200 | U | 0.101 | 0.09127 | | mg/Kg | | 91 | 70 - 130 | 7 | 35 |
| Ethylbenzene | <0.00200 | U | 0.101 | 0.08832 | | mg/Kg | | 88 | 70 - 130 | 9 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 880-23427-A-60-E MSD**
**Matrix: Solid**
**Analysis Batch: 43790**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 43798**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| m-Xylene & p-Xylene | <0.00399 | U | 0.202 | 0.1831 | | mg/Kg | | 91 | 70 - 130 | 8 | 35 |
| o-Xylene | <0.00200 | U | 0.101 | 0.08885 | | mg/Kg | | 88 | 70 - 130 | 8 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

**Lab Sample ID: MB 880-43832/5-B**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43832**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/12/23 14:48 | 01/14/23 00:17 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 00:17* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *01/12/23 14:48* | *01/14/23 00:17* | *1* |

**Lab Sample ID: LCS 880-43832/1-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43832**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1081 | | mg/Kg | | 108 | 70 - 130 |
| Toluene | 0.100 | 0.1031 | | mg/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09995 | | mg/Kg | | 100 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2033 | | mg/Kg | | 102 | 70 - 130 |
| o-Xylene | 0.100 | 0.09880 | | mg/Kg | | 99 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* |

**Lab Sample ID: LCSD 880-43832/2-A**
**Matrix: Solid**
**Analysis Batch: 43866**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43832**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08851 | | mg/Kg | | 89 | 70 - 130 | 20 | 35 |
| Toluene | 0.100 | 0.08351 | | mg/Kg | | 84 | 70 - 130 | 21 | 35 |
| Ethylbenzene | 0.100 | 0.08255 | | mg/Kg | | 83 | 70 - 130 | 19 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1689 | | mg/Kg | | 84 | 70 - 130 | 18 | 35 |
| o-Xylene | 0.100 | 0.08398 | | mg/Kg | | 84 | 70 - 130 | 16 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-43713/1-A**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43713**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 140 | S1+ | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| o-Terphenyl | 123 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

**Lab Sample ID: LCS 880-43713/2-A**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43713**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1063 | | mg/Kg | | 106 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1036 | | mg/Kg | | 104 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 125 | | 70 - 130 |
| o-Terphenyl | 108 | | 70 - 130 |

**Lab Sample ID: LCSD 880-43713/3-A**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43713**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 978.4 | | mg/Kg | | 98 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 766.4 | *1 | mg/Kg | | 77 | 70 - 130 | 30 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 101 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 890-3781-21 MS**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: S-6 (2-2.5')**
**Prep Type: Total/NA**
**Prep Batch: 43713**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 927.5 | | mg/Kg | | 89 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 998 | 862.9 | | mg/Kg | | 86 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *87* | | *70 - 130* |
| *o-Terphenyl* | *82* | | *70 - 130* |

**Lab Sample ID: 890-3781-21 MSD**
**Matrix: Solid**
**Analysis Batch: 43779**

**Client Sample ID: S-6 (2-2.5')**
**Prep Type: Total/NA**
**Prep Batch: 43713**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 997 | 1064 | | mg/Kg | | 103 | 70 - 130 | 14 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 997 | 993.4 | | mg/Kg | | 100 | 70 - 130 | 14 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* |
| *o-Terphenyl* | *94* | | *70 - 130* |

**Lab Sample ID: MB 880-43745/1-A**
**Matrix: Solid**
**Analysis Batch: 43781**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 43745**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 08:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 08:04 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/11/23 13:23 | 01/12/23 08:04 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *138* | *S1+* | *70 - 130* | *01/11/23 13:23* | *01/12/23 08:04* | *1* |
| *o-Terphenyl* | *148* | *S1+* | *70 - 130* | *01/11/23 13:23* | *01/12/23 08:04* | *1* |

**Lab Sample ID: LCS 880-43745/2-A**
**Matrix: Solid**
**Analysis Batch: 43781**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43745**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 828.6 | | mg/Kg | | 83 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 883.6 | | mg/Kg | | 88 | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 880-43745/2-A**
**Matrix: Solid**
**Analysis Batch: 43781**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 43745**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 101 | | 70 - 130 |
| o-Terphenyl | 103 | | 70 - 130 |

**Lab Sample ID: LCSD 880-43745/3-A**
**Matrix: Solid**
**Analysis Batch: 43781**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 43745**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 963.2 | | mg/Kg | | 96 | 70 - 130 | 15 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1013 | | mg/Kg | | 101 | 70 - 130 | 14 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 117 | | 70 - 130 |
| o-Terphenyl | 115 | | 70 - 130 |

**Lab Sample ID: 890-3781-1 MS**
**Matrix: Solid**
**Analysis Batch: 43781**

**Client Sample ID: S-3 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43745**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 998 | 1142 | | mg/Kg | | 114 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 998 | 1052 | | mg/Kg | | 104 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 91 | | 70 - 130 |
| o-Terphenyl | 91 | | 70 - 130 |

**Lab Sample ID: 890-3781-1 MSD**
**Matrix: Solid**
**Analysis Batch: 43781**

**Client Sample ID: S-3 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 43745**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 997 | 1087 | | mg/Kg | | 109 | 70 - 130 | 5 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 997 | 1209 | | mg/Kg | | 120 | 70 - 130 | 14 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 106 | | 70 - 130 |
| o-Terphenyl | 103 | | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-43640/1-A**
**Matrix: Solid**
**Analysis Batch: 43700**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 01/12/23 23:35 | 1 |

**Lab Sample ID: LCS 880-43640/2-A**
**Matrix: Solid**
**Analysis Batch: 43700**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 269.1 | | mg/Kg | | 108 | 90 - 110 |

**Lab Sample ID: LCSD 880-43640/3-A**
**Matrix: Solid**
**Analysis Batch: 43700**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 269.5 | | mg/Kg | | 108 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-3781-1 MS**
**Matrix: Solid**
**Analysis Batch: 43700**

**Client Sample ID: S-3 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3820 | F1 | 1240 | 5660 | F1 | mg/Kg | | 148 | 90 - 110 |

**Lab Sample ID: 890-3781-1 MSD**
**Matrix: Solid**
**Analysis Batch: 43700**

**Client Sample ID: S-3 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3820 | F1 | 1240 | 5649 | F1 | mg/Kg | | 148 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-3781-11 MS**
**Matrix: Solid**
**Analysis Batch: 43700**

**Client Sample ID: S-4 (4-5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 2670 | F1 | 1260 | 4623 | F1 | mg/Kg | | 155 | 90 - 110 |

**Lab Sample ID: 890-3781-11 MSD**
**Matrix: Solid**
**Analysis Batch: 43700**

**Client Sample ID: S-4 (4-5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 2670 | F1 | 1260 | 4631 | F1 | mg/Kg | | 155 | 90 - 110 | 0 | 20 |

**Lab Sample ID: MB 880-43630/1-A**
**Matrix: Solid**
**Analysis Batch: 43705**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 01/13/23 04:53 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: LCS 880-43630/2-A**
**Matrix: Solid**
**Analysis Batch: 43705**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 245.6 | | mg/Kg | | 98 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-43630/3-A**
**Matrix: Solid**
**Analysis Batch: 43705**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 259.3 | | mg/Kg | | 104 | 90 - 110 | 5 | 20 |

**Lab Sample ID: 880-23426-A-11-C MS**
**Matrix: Solid**
**Analysis Batch: 43705**

**Client Sample ID: Matrix Spike**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 263 | F1 | 251 | 527.4 | | mg/Kg | | 106 | 90 - 110 | | |

**Lab Sample ID: 880-23426-A-11-D MSD**
**Matrix: Solid**
**Analysis Batch: 43705**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 263 | F1 | 251 | 545.4 | F1 | mg/Kg | | 113 | 90 - 110 | 3 | 20 |

**Lab Sample ID: MB 880-44423/1-A**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 01/24/23 03:32 | 1 |

**Lab Sample ID: LCS 880-44423/2-A**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 265.6 | | mg/Kg | | 106 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-44423/3-A**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 264.8 | | mg/Kg | | 106 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-3781-5 MS**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: S-3 (4-4.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 132 | F1 | 248 | 411.1 | F1 | mg/Kg | | 112 | 90 - 110 | | |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: 890-3781-5 MSD**
**Matrix: Solid**
**Analysis Batch: 44568**

**Client Sample ID: S-3 (4-4.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 132 | F1 | 248 | 411.5 | F1 | mg/Kg | | 113 | 90 - 110 | 0 | 20 |

**Lab Sample ID: MB 880-44629/1-A**
**Matrix: Solid**
**Analysis Batch: 44686**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 01/25/23 02:06 | 1 |

**Lab Sample ID: LCS 880-44629/2-A**
**Matrix: Solid**
**Analysis Batch: 44686**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 268.5 | | mg/Kg | | 107 | 90 - 110 |

**Lab Sample ID: LCSD 880-44629/3-A**
**Matrix: Solid**
**Analysis Batch: 44686**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 268.5 | | mg/Kg | | 107 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-3781-1 MS**
**Matrix: Solid**
**Analysis Batch: 44686**

**Client Sample ID: S-3 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 22.4 | | 251 | 283.9 | | mg/Kg | | 104 | 90 - 110 |

**Lab Sample ID: 890-3781-1 MSD**
**Matrix: Solid**
**Analysis Batch: 44686**

**Client Sample ID: S-3 (0-0.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 22.4 | | 251 | 284.6 | | mg/Kg | | 104 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-3781-11 MS**
**Matrix: Solid**
**Analysis Batch: 44686**

**Client Sample ID: S-4 (4-5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 369 | F1 | 248 | 495.5 | F1 | mg/Kg | | 51 | 90 - 110 |

**Lab Sample ID: 890-3781-11 MSD**
**Matrix: Solid**
**Analysis Batch: 44686**

**Client Sample ID: S-4 (4-5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 369 | F1 | 248 | 494.5 | F1 | mg/Kg | | 50 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## GC VOA

### Prep Batch: 43543

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-43543/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 43654

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-1 | S-3 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3781-2 | S-3 (1-1.5') | Total/NA | Solid | 5035 | |
| 890-3781-3 | S-3 (2-2.5') | Total/NA | Solid | 5035 | |
| 890-3781-11 | S-4 (4-5') | Total/NA | Solid | 5035 | |
| 890-3781-12 | S-4 (5-5.5') | Total/NA | Solid | 5035 | |
| 890-3781-13 | S-5 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3781-14 | S-5 (1-1.5') | Total/NA | Solid | 5035 | |
| 890-3781-15 | S-5 (2-2.5') | Total/NA | Solid | 5035 | |
| 890-3781-16 | S-5 (3-3.5') | Total/NA | Solid | 5035 | |
| 890-3781-17 | S-5 (4-4.5') | Total/NA | Solid | 5035 | |
| 890-3781-18 | S-5 (5-5.5') | Total/NA | Solid | 5035 | |
| 890-3781-19 | S-6 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3781-20 | S-6 (1-1.5') | Total/NA | Solid | 5035 | |
| MB 880-43654/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43654/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43654/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-3781-1 MS | S-3 (0-0.5') | Total/NA | Solid | 5035 | |
| 890-3781-1 MSD | S-3 (0-0.5') | Total/NA | Solid | 5035 | |

### Prep Batch: 43675

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-43675/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Analysis Batch: 43697

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-21 | S-6 (2-2.5') | Total/NA | Solid | 8021B | 43731 |
| 890-3781-22 | S-6 (3-3.5') | Total/NA | Solid | 8021B | 43731 |
| MB 880-43675/5-A | Method Blank | Total/NA | Solid | 8021B | 43675 |
| MB 880-43731/5-A | Method Blank | Total/NA | Solid | 8021B | 43731 |
| LCS 880-43731/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43731 |
| LCSD 880-43731/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43731 |
| 890-3815-A-3-D MS | Matrix Spike | Total/NA | Solid | 8021B | 43731 |
| 890-3815-A-3-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43731 |

### Prep Batch: 43731

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-21 | S-6 (2-2.5') | Total/NA | Solid | 5035 | |
| 890-3781-22 | S-6 (3-3.5') | Total/NA | Solid | 5035 | |
| MB 880-43731/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43731/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43731/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-3815-A-3-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-3815-A-3-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 43790

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-23 | S-6 (4-4.5') | Total/NA | Solid | 8021B | 43798 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## GC VOA (Continued)

### Analysis Batch: 43790 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-24 | S-6 (5-5.5') | Total/NA | Solid | 8021B | 43798 |
| MB 880-43543/5-A | Method Blank | Total/NA | Solid | 8021B | 43543 |
| MB 880-43798/5-A | Method Blank | Total/NA | Solid | 8021B | 43798 |
| LCS 880-43798/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43798 |
| LCSD 880-43798/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43798 |
| 880-23427-A-60-D MS | Matrix Spike | Total/NA | Solid | 8021B | 43798 |
| 880-23427-A-60-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43798 |

### Prep Batch: 43798

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-23 | S-6 (4-4.5') | Total/NA | Solid | 5035 | |
| 890-3781-24 | S-6 (5-5.5') | Total/NA | Solid | 5035 | |
| MB 880-43798/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43798/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43798/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23427-A-60-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23427-A-60-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 43817

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-1 | S-3 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-2 | S-3 (1-1.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-3 | S-3 (2-2.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-4 | S-3 (3-3.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-5 | S-3 (4-4.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-6 | S-3 (5-5.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-7 | S-4 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-8 | S-4 (1-1.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-9 | S-4 (2-2.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-10 | S-4 (3-3.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-11 | S-4 (4-5') | Total/NA | Solid | Total BTEX | |
| 890-3781-12 | S-4 (5-5.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-13 | S-5 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-14 | S-5 (1-1.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-15 | S-5 (2-2.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-16 | S-5 (3-3.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-17 | S-5 (4-4.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-18 | S-5 (5-5.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-19 | S-6 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-20 | S-6 (1-1.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-21 | S-6 (2-2.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-22 | S-6 (3-3.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-23 | S-6 (4-4.5') | Total/NA | Solid | Total BTEX | |
| 890-3781-24 | S-6 (5-5.5') | Total/NA | Solid | Total BTEX | |

### Prep Batch: 43832

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-4 | S-3 (3-3.5') | Total/NA | Solid | 5035 | |
| 890-3781-5 | S-3 (4-4.5') | Total/NA | Solid | 5035 | |
| 890-3781-6 | S-3 (5-5.5') | Total/NA | Solid | 5035 | |
| 890-3781-7 | S-4 (0-0.5') | Total/NA | Solid | 5035 | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## GC VOA (Continued)

### Prep Batch: 43832 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-8 | S-4 (1-1.5') | Total/NA | Solid | 5035 | |
| 890-3781-9 | S-4 (2-2.5') | Total/NA | Solid | 5035 | |
| 890-3781-10 | S-4 (3-3.5') | Total/NA | Solid | 5035 | |
| MB 880-43832/5-B | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43832/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43832/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

### Analysis Batch: 43866

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-1 | S-3 (0-0.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-2 | S-3 (1-1.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-3 | S-3 (2-2.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-4 | S-3 (3-3.5') | Total/NA | Solid | 8021B | 43832 |
| 890-3781-5 | S-3 (4-4.5') | Total/NA | Solid | 8021B | 43832 |
| 890-3781-6 | S-3 (5-5.5') | Total/NA | Solid | 8021B | 43832 |
| 890-3781-7 | S-4 (0-0.5') | Total/NA | Solid | 8021B | 43832 |
| 890-3781-8 | S-4 (1-1.5') | Total/NA | Solid | 8021B | 43832 |
| 890-3781-9 | S-4 (2-2.5') | Total/NA | Solid | 8021B | 43832 |
| 890-3781-10 | S-4 (3-3.5') | Total/NA | Solid | 8021B | 43832 |
| 890-3781-11 | S-4 (4-5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-12 | S-4 (5-5.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-13 | S-5 (0-0.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-14 | S-5 (1-1.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-15 | S-5 (2-2.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-16 | S-5 (3-3.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-17 | S-5 (4-4.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-18 | S-5 (5-5.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-19 | S-6 (0-0.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-20 | S-6 (1-1.5') | Total/NA | Solid | 8021B | 43654 |
| MB 880-43654/5-A | Method Blank | Total/NA | Solid | 8021B | 43654 |
| MB 880-43832/5-B | Method Blank | Total/NA | Solid | 8021B | 43832 |
| LCS 880-43654/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43654 |
| LCS 880-43832/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43832 |
| LCSD 880-43654/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43654 |
| LCSD 880-43832/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43832 |
| 890-3781-1 MS | S-3 (0-0.5') | Total/NA | Solid | 8021B | 43654 |
| 890-3781-1 MSD | S-3 (0-0.5') | Total/NA | Solid | 8021B | 43654 |

## GC Semi VOA

### Prep Batch: 43713

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-21 | S-6 (2-2.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-22 | S-6 (3-3.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-23 | S-6 (4-4.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-24 | S-6 (5-5.5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3781-21 MS | S-6 (2-2.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-21 MSD | S-6 (2-2.5') | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## GC Semi VOA

### Prep Batch: 43745

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-1 | S-3 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-2 | S-3 (1-1.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-3 | S-3 (2-2.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-4 | S-3 (3-3.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-5 | S-3 (4-4.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-6 | S-3 (5-5.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-7 | S-4 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-8 | S-4 (1-1.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-9 | S-4 (2-2.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-10 | S-4 (3-3.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-11 | S-4 (4-5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-12 | S-4 (5-5.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-13 | S-5 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-14 | S-5 (1-1.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-15 | S-5 (2-2.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-16 | S-5 (3-3.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-17 | S-5 (4-4.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-18 | S-5 (5-5.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-19 | S-6 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-20 | S-6 (1-1.5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-43745/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43745/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43745/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3781-1 MS | S-3 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 890-3781-1 MSD | S-3 (0-0.5') | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 43779

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-21 | S-6 (2-2.5') | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-22 | S-6 (3-3.5') | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-23 | S-6 (4-4.5') | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-24 | S-6 (5-5.5') | Total/NA | Solid | 8015B NM | 43713 |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43713 |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43713 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-21 MS | S-6 (2-2.5') | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-21 MSD | S-6 (2-2.5') | Total/NA | Solid | 8015B NM | 43713 |

### Analysis Batch: 43781

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-1 | S-3 (0-0.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-2 | S-3 (1-1.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-3 | S-3 (2-2.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-4 | S-3 (3-3.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-5 | S-3 (4-4.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-6 | S-3 (5-5.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-7 | S-4 (0-0.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-8 | S-4 (1-1.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-9 | S-4 (2-2.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-10 | S-4 (3-3.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-11 | S-4 (4-5') | Total/NA | Solid | 8015B NM | 43745 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## GC Semi VOA (Continued)

### Analysis Batch: 43781 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-12 | S-4 (5-5.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-13 | S-5 (0-0.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-14 | S-5 (1-1.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-15 | S-5 (2-2.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-16 | S-5 (3-3.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-17 | S-5 (4-4.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-18 | S-5 (5-5.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-19 | S-6 (0-0.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-20 | S-6 (1-1.5') | Total/NA | Solid | 8015B NM | 43745 |
| MB 880-43745/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43745 |
| LCS 880-43745/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43745 |
| LCSD 880-43745/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-1 MS | S-3 (0-0.5') | Total/NA | Solid | 8015B NM | 43745 |
| 890-3781-1 MSD | S-3 (0-0.5') | Total/NA | Solid | 8015B NM | 43745 |

### Analysis Batch: 43879

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-1 | S-3 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-2 | S-3 (1-1.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-3 | S-3 (2-2.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-4 | S-3 (3-3.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-5 | S-3 (4-4.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-6 | S-3 (5-5.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-7 | S-4 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-8 | S-4 (1-1.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-9 | S-4 (2-2.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-10 | S-4 (3-3.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-11 | S-4 (4-5') | Total/NA | Solid | 8015 NM | |
| 890-3781-12 | S-4 (5-5.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-13 | S-5 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-14 | S-5 (1-1.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-15 | S-5 (2-2.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-16 | S-5 (3-3.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-17 | S-5 (4-4.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-18 | S-5 (5-5.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-19 | S-6 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-20 | S-6 (1-1.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-21 | S-6 (2-2.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-22 | S-6 (3-3.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-23 | S-6 (4-4.5') | Total/NA | Solid | 8015 NM | |
| 890-3781-24 | S-6 (5-5.5') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 43630

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-21 | S-6 (2-2.5') | Soluble | Solid | DI Leach | |
| 890-3781-22 | S-6 (3-3.5') | Soluble | Solid | DI Leach | |
| 890-3781-23 | S-6 (4-4.5') | Soluble | Solid | DI Leach | |
| 890-3781-24 | S-6 (5-5.5') | Soluble | Solid | DI Leach | |
| MB 880-43630/1-A | Method Blank | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## HPLC/IC (Continued)

### Leach Batch: 43630 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 880-43630/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43630/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-23426-A-11-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-23426-A-11-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Leach Batch: 43640

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-13 | S-5 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3781-14 | S-5 (1-1.5') | Soluble | Solid | DI Leach | |
| 890-3781-15 | S-5 (2-2.5') | Soluble | Solid | DI Leach | |
| 890-3781-16 | S-5 (3-3.5') | Soluble | Solid | DI Leach | |
| 890-3781-17 | S-5 (4-4.5') | Soluble | Solid | DI Leach | |
| 890-3781-18 | S-5 (5-5.5') | Soluble | Solid | DI Leach | |
| 890-3781-19 | S-6 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3781-20 | S-6 (1-1.5') | Soluble | Solid | DI Leach | |
| MB 880-43640/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43640/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43640/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3781-1 MS | S-3 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3781-1 MSD | S-3 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3781-11 MS | S-4 (4-5') | Soluble | Solid | DI Leach | |
| 890-3781-11 MSD | S-4 (4-5') | Soluble | Solid | DI Leach | |

### Analysis Batch: 43700

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-13 | S-5 (0-0.5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-14 | S-5 (1-1.5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-15 | S-5 (2-2.5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-16 | S-5 (3-3.5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-17 | S-5 (4-4.5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-18 | S-5 (5-5.5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-19 | S-6 (0-0.5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-20 | S-6 (1-1.5') | Soluble | Solid | 300.0 | 43640 |
| MB 880-43640/1-A | Method Blank | Soluble | Solid | 300.0 | 43640 |
| LCS 880-43640/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43640 |
| LCSD 880-43640/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43640 |
| 890-3781-1 MS | S-3 (0-0.5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-1 MSD | S-3 (0-0.5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-11 MS | S-4 (4-5') | Soluble | Solid | 300.0 | 43640 |
| 890-3781-11 MSD | S-4 (4-5') | Soluble | Solid | 300.0 | 43640 |

### Analysis Batch: 43705

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-21 | S-6 (2-2.5') | Soluble | Solid | 300.0 | 43630 |
| 890-3781-22 | S-6 (3-3.5') | Soluble | Solid | 300.0 | 43630 |
| 890-3781-23 | S-6 (4-4.5') | Soluble | Solid | 300.0 | 43630 |
| 890-3781-24 | S-6 (5-5.5') | Soluble | Solid | 300.0 | 43630 |
| MB 880-43630/1-A | Method Blank | Soluble | Solid | 300.0 | 43630 |
| LCS 880-43630/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43630 |
| LCSD 880-43630/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43630 |
| 880-23426-A-11-C MS | Matrix Spike | Soluble | Solid | 300.0 | 43630 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## HPLC/IC (Continued)

### Analysis Batch: 43705 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-23426-A-11-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43630 |

### Leach Batch: 44423

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-1 | S-3 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3781-2 | S-3 (1-1.5') | Soluble | Solid | DI Leach | |
| 890-3781-3 | S-3 (2-2.5') | Soluble | Solid | DI Leach | |
| 890-3781-4 | S-3 (3-3.5') | Soluble | Solid | DI Leach | |
| 890-3781-5 | S-3 (4-4.5') | Soluble | Solid | DI Leach | |
| 890-3781-6 | S-3 (5-5.5') | Soluble | Solid | DI Leach | |
| 890-3781-7 | S-4 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3781-8 | S-4 (1-1.5') | Soluble | Solid | DI Leach | |
| 890-3781-9 | S-4 (2-2.5') | Soluble | Solid | DI Leach | |
| 890-3781-10 | S-4 (3-3.5') | Soluble | Solid | DI Leach | |
| 890-3781-11 | S-4 (4-5') | Soluble | Solid | DI Leach | |
| 890-3781-12 | S-4 (5-5.5') | Soluble | Solid | DI Leach | |
| MB 880-44423/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-44423/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-44423/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3781-5 MS | S-3 (4-4.5') | Soluble | Solid | DI Leach | |
| 890-3781-5 MSD | S-3 (4-4.5') | Soluble | Solid | DI Leach | |

### Analysis Batch: 44568

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-3781-1 | S-3 (0-0.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-2 | S-3 (1-1.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-3 | S-3 (2-2.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-4 | S-3 (3-3.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-5 | S-3 (4-4.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-6 | S-3 (5-5.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-7 | S-4 (0-0.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-8 | S-4 (1-1.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-9 | S-4 (2-2.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-10 | S-4 (3-3.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-11 | S-4 (4-5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-12 | S-4 (5-5.5') | Soluble | Solid | 300.0 | 44423 |
| MB 880-44423/1-A | Method Blank | Soluble | Solid | 300.0 | 44423 |
| LCS 880-44423/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 44423 |
| LCSD 880-44423/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 44423 |
| 890-3781-5 MS | S-3 (4-4.5') | Soluble | Solid | 300.0 | 44423 |
| 890-3781-5 MSD | S-3 (4-4.5') | Soluble | Solid | 300.0 | 44423 |

### Leach Batch: 44629

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-44629/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-44629/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-44629/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3781-1 MS | S-3 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3781-1 MSD | S-3 (0-0.5') | Soluble | Solid | DI Leach | |
| 890-3781-11 MS | S-4 (4-5') | Soluble | Solid | DI Leach | |
| 890-3781-11 MSD | S-4 (4-5') | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## HPLC/IC

### Analysis Batch: 44686

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-44629/1-A | Method Blank | Soluble | Solid | 300.0 | 44629 |
| LCS 880-44629/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 44629 |
| LCSD 880-44629/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 44629 |
| 890-3781-1 MS | S-3 (0-0.5') | Soluble | Solid | 300.0 | 44629 |
| 890-3781-1 MSD | S-3 (0-0.5') | Soluble | Solid | 300.0 | 44629 |
| 890-3781-11 MS | S-4 (4-5') | Soluble | Solid | 300.0 | 44629 |
| 890-3781-11 MSD | S-4 (4-5') | Soluble | Solid | 300.0 | 44629 |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-3 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-1
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 13:00 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/13/23 14:59 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 10:37 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 04:52 | CH | EET MID |

## Client Sample ID: S-3 (1-1.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-2
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 13:20 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/13/23 14:59 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 11:43 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 04:58 | CH | EET MID |

## Client Sample ID: S-3 (2-2.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-3
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 13:41 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/13/23 14:59 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 12:04 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 05:05 | CH | EET MID |

## Client Sample ID: S-3 (3-3.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43832 | 01/12/23 14:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/14/23 01:47 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-3 (3-3.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 12:26 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 05:11 | CH | EET MID |

## Client Sample ID: S-3 (4-4.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-5
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 43832 | 01/12/23 14:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/14/23 02:08 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 12:48 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 05:17 | CH | EET MID |

## Client Sample ID: S-3 (5-5.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-6
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 43832 | 01/12/23 14:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/14/23 02:28 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 13:09 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 05:35 | CH | EET MID |

## Client Sample ID: S-4 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-7
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 43832 | 01/12/23 14:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/14/23 02:49 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 13:31 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-4 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-7**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 05:41 | CH | EET MID |

## Client Sample ID: S-4 (1-1.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-8**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43832 | 01/12/23 14:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/14/23 03:09 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 13:53 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 06:00 | CH | EET MID |

## Client Sample ID: S-4 (2-2.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-9**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 43832 | 01/12/23 14:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/14/23 03:29 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 14:14 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 06:06 | CH | EET MID |

## Client Sample ID: S-4 (3-3.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-10**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 43832 | 01/12/23 14:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/14/23 03:50 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 14:36 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 06:12 | CH | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-4 (4-5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-11
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 18:04 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 15:42 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 06:19 | CH | EET MID |

## Client Sample ID: S-4 (5-5.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-12
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 18:24 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 16:04 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 44423 | 01/20/23 10:02 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44568 | 01/24/23 06:25 | CH | EET MID |

## Client Sample ID: S-5 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-13
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 18:45 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 16:26 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43640 | 01/10/23 12:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43700 | 01/13/23 09:38 | CH | EET MID |

## Client Sample ID: S-5 (1-1.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-14
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 19:05 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-5 (1-1.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-14**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 16:48 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 43640 | 01/10/23 12:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43700 | 01/13/23 09:57 | CH | EET MID |

## Client Sample ID: S-5 (2-2.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-15**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 19:26 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 17:10 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 43640 | 01/10/23 12:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43700 | 01/13/23 10:03 | CH | EET MID |

## Client Sample ID: S-5 (3-3.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-16**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 19:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 17:32 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 43640 | 01/10/23 12:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43700 | 01/13/23 10:09 | CH | EET MID |

## Client Sample ID: S-5 (4-4.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-17**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 20:07 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 17:54 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-5 (4-4.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-17**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43640 | 01/10/23 12:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43700 | 01/13/23 10:15 | CH | EET MID |

## Client Sample ID: S-5 (5-5.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-18**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 20:27 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 18:16 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 43640 | 01/10/23 12:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43700 | 01/13/23 10:21 | CH | EET MID |

## Client Sample ID: S-6 (0-0.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-19**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 20:47 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 18:38 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 43640 | 01/10/23 12:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43700 | 01/13/23 10:27 | CH | EET MID |

## Client Sample ID: S-6 (1-1.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-20**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 43654 | 01/10/23 13:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43866 | 01/13/23 21:08 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/16/23 17:00 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:42 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 43745 | 01/11/23 13:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43781 | 01/12/23 19:00 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43640 | 01/10/23 12:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43700 | 01/13/23 10:34 | CH | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-6 (2-2.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-21**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 43731 | 01/11/23 10:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43697 | 01/12/23 05:18 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/12/23 13:07 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 20:49 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43630 | 01/10/23 11:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43705 | 01/13/23 07:02 | CH | EET MID |

## Client Sample ID: S-6 (3-3.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-22**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 43731 | 01/11/23 10:48 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43697 | 01/12/23 05:39 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/12/23 13:07 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 21:54 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43630 | 01/10/23 11:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43705 | 01/13/23 07:07 | CH | EET MID |

## Client Sample ID: S-6 (4-4.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-23**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 43798 | 01/12/23 09:36 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43790 | 01/13/23 02:26 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/13/23 07:51 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 22:16 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 43630 | 01/10/23 11:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43705 | 01/13/23 07:11 | CH | EET MID |

## Client Sample ID: S-6 (5-5.5')
**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

**Lab Sample ID: 890-3781-24**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 43798 | 01/12/23 09:36 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43790 | 01/13/23 02:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43817 | 01/13/23 07:51 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Client Sample ID: S-6 (5-5.5')

**Date Collected: 01/05/23 00:00**
**Date Received: 01/06/23 16:08**

## Lab Sample ID: 890-3781-24

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 43879 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 22:38 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 43630 | 01/10/23 11:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43705 | 01/13/23 07:16 | CH | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

# Method Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

**Protocol References:**

ASTM = ASTM International
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: NT Global
Project/Site: Diamondback 24-25 Fed Com Battery

Job ID: 890-3781-1
SDG: 226700

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---|---|---|---|---|---|
| 890-3781-1 | S-3 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 0 - 1.5 |
| 890-3781-2 | S-3 (1-1.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 1 - 1.5 |
| 890-3781-3 | S-3 (2-2.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 2 - 2.5 |
| 890-3781-4 | S-3 (3-3.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 3 - 3.5 |
| 890-3781-5 | S-3 (4-4.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 4 - 4.5 |
| 890-3781-6 | S-3 (5-5.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 5 - 5.5 |
| 890-3781-7 | S-4 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 0 - 1 |
| 890-3781-8 | S-4 (1-1.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 1 - 1.5 |
| 890-3781-9 | S-4 (2-2.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 2 - 2.5 |
| 890-3781-10 | S-4 (3-3.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 3 - 3.5 |
| 890-3781-11 | S-4 (4-5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 4 - 4.5 |
| 890-3781-12 | S-4 (5-5.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 5 - 5.5 |
| 890-3781-13 | S-5 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 0 - 1 |
| 890-3781-14 | S-5 (1-1.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 1 - 1.5 |
| 890-3781-15 | S-5 (2-2.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 2 - 2.5 |
| 890-3781-16 | S-5 (3-3.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 3 - 3.5 |
| 890-3781-17 | S-5 (4-4.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 4 - 4.5 |
| 890-3781-18 | S-5 (5-5.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 5 - 5.5 |
| 890-3781-19 | S-6 (0-0.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 0 - 1 |
| 890-3781-20 | S-6 (1-1.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 1 - 1.5 |
| 890-3781-21 | S-6 (2-2.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 2 - 2.5 |
| 890-3781-22 | S-6 (3-3.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 3 - 3.5 |
| 890-3781-23 | S-6 (4-4.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 4 - 4.5 |
| 890-3781-24 | S-6 (5-5.5') | Solid | 01/05/23 00:00 | 01/06/23 16:08 | 5 - 5.5 |

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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____



| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level I☐ PST/U☐ TR☐ Le☐l

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 Fed Com Battery | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Kellan Smith | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Received Intact: | (Yes) No | Thermometer ID: | TMM-007 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | -0.2 |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | 1.4 |
| Total Containers: | | Corrected Temperature: | 1.2 |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-3 (0-0.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-3 (1-1.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-3 (2-2.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-3 (3-3.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-3 (4-4.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-3 (5-5.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-4 (0-0.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-4 (1-1.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-4 (2-2.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-4 (3-3.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |

890-3781 Chain of Custody

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | | Amanda Blatt | 1-6-23 1408 | 2 | | |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date 05012020 Rev. 2020.1

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1/27/2023 (Rev. 1)

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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____



1/27/2023 (Rev. 1)

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level I☐ PST/U☐ TR☐ Le☐

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 Fed Com Battery | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Kellan Smith | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | |
| Total Containers: | | Corrected Temperature: | |

**ANALYSIS REQUEST**

**Preservative Codes**

None: NO DI Water: $H_2O$

Cool: Cool MeOH: Me

HCL: HC $HNO_3$: HN

$H_2S0_4$: $H_2$ NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-4 (4-4.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-4 (5-5.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-5 (0-0.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-5 (1-1.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-5 (2-2.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-5 (3-3.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-5 (4-4.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-5 (5-5.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-6 (0-0.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |
| S-6 (1-1.5') | 1/5/2023 | | x | | Grab | | | x | x | x | | |

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | Amanda Stiff | 1-6-23 1608 | | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |



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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____

Page 3 of 3

1/27/2023 (Rev. 1)

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level I☐ PST/U☐ TR☐ Le☐l

Deliverables: EDD☐ ADaPT☐ Other:

| | | | | | |
|---|---|---|---|---|---|
| Project Name: | Diamondback 24-25 Fed Com Battery | Turn Around | | Pres. Code | |
| Project Number: | 226700 | ☑ Routine | ☐ Rush | | |
| Project Location | Lea County, NM | Due Date: | | | |
| Sampler's Name: | Kellan Smith | TAT starts the day received by the lab, if received by 4:30pm | | | |
| PO #: | | | | | |

| SAMPLE RECEIPT | | | | |
|---|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes | No |
| Received Intact: | Yes No | Thermometer ID: | | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | | |
| Total Containers: | | Corrected Temperature: | | |

**ANALYSIS REQUEST**

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | | | | | | | | | | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-6 (2-2.5') | 1/5/2023 | | x | | Grab | | x | x | x | | | | | | | | | | | |
| S-6 (3-3.5') | 1/5/2023 | | x | | Grab | | x | x | x | | | | | | | | | | | |
| S-6 (4-4.5') | 1/5/2023 | | x | | Grab | | x | x | x | | | | | | | | | | | |
| S-6 (5-5.5') | 1/5/2023 | | x | | Grab | | x | x | x | | | | | | | | | | | |

**Preservative Codes**

None: NO DI Water: $H_2O$

Cool: Cool MeOH: Me

HCL: HC $HNO_3$: HN

$H_2S0_4$: $H_2$ NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | | Amanda Stuf | 1-6-23 1608 | | | |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date 05012020 Rev. 2020.1



Received by OCD: 12/14/2024 12:00:14 AM

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# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3781-1
SDG Number: 226700

**Login Number: 3781**
**List Number: 1**
**Creator: Clifton, Cloe**

**List Source: Eurofins Carlsbad**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | N/A | Refer to Job Narrative for details. |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3781-1
SDG Number: 226700

**Login Number: 3781**
**List Number: 2**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**
**List Creation: 01/10/23 10:43 AM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Becky Haskell
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 2/15/2023 3:07:48 PM

## JOB DESCRIPTION

Diamondback 24-25
SDG NUMBER 226700

## JOB NUMBER

890-4092-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.



Released to Imaging: 4/2/2025 2:01:51 PM

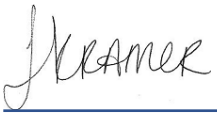
my EOL

# Eurofins Carlsbad

## Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated
2/15/2023 3:07:48 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Diamondback 24-25

Laboratory Job ID: 890-4092-1
SDG: 226700

# Table of Contents

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# Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| S1- | Surrogate recovery exceeds control limits, low biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Job ID: 890-4092-1

**Laboratory: Eurofins Carlsbad**

**Narrative**

**Job Narrative**
**890-4092-1**

**Receipt**
The samples were received on 2/13/2023 12:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 18.0°C

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: TP-1 (890-4092-1), TP-1 (890-4092-2) and TP-1 (890-4092-3).

**GC VOA**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: TP-1 (890-4092-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-46340 and analytical batch 880-46411 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Client Sample ID: TP-1

**Lab Sample ID: 890-4092-1**
**Matrix: Solid**
**Date Collected: 02/13/23 12:00**
**Date Received: 02/13/23 12:27**
**Sample Depth: 6'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:04 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:04 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:04 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:04 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:04 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *118* | | *70 - 130* | *02/14/23 12:23* | *02/14/23 23:04* | *1* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *02/14/23 12:23* | *02/14/23 23:04* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 02/15/23 09:55 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 02/15/23 15:15 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 02/15/23 08:44 | 02/15/23 13:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 02/15/23 08:44 | 02/15/23 13:23 | 1 |
| OII Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 02/15/23 08:44 | 02/15/23 13:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *71* | | *70 - 130* | *02/15/23 08:44* | *02/15/23 13:23* | *1* |
| *o-Terphenyl* | *70* | | *70 - 130* | *02/15/23 08:44* | *02/15/23 13:23* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3160** | | 24.8 | | mg/Kg | | | 02/15/23 13:25 | 5 |

## Client Sample ID: TP-1

**Lab Sample ID: 890-4092-2**
**Matrix: Solid**
**Date Collected: 02/13/23 12:00**
**Date Received: 02/13/23 12:27**
**Sample Depth: 8'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:25 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:25 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:25 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:25 | 1 |
| **o-Xylene** | **0.00676** | | 0.00199 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:25 | 1 |
| **Xylenes, Total** | **0.00676** | | 0.00398 | | mg/Kg | | 02/14/23 12:23 | 02/14/23 23:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* | *02/14/23 12:23* | *02/14/23 23:25* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Client Sample ID: TP-1
**Date Collected: 02/13/23 12:00**
**Date Received: 02/13/23 12:27**
**Sample Depth: 8'**

## Lab Sample ID: 890-4092-2
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *85* | | *70 - 130* | *02/14/23 12:23* | *02/14/23 23:25* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00676** | | 0.00398 | | mg/Kg | | | 02/15/23 09:55 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 02/15/23 15:15 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 02/15/23 08:44 | 02/15/23 13:45 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 02/15/23 08:44 | 02/15/23 13:45 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 02/15/23 08:44 | 02/15/23 13:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *85* | | *70 - 130* | *02/15/23 08:44* | *02/15/23 13:45* | *1* |
| *o-Terphenyl* | *81* | | *70 - 130* | *02/15/23 08:44* | *02/15/23 13:45* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1560** | | 24.8 | | mg/Kg | | | 02/15/23 13:30 | 5 |

## Client Sample ID: TP-1
**Date Collected: 02/13/23 12:00**
**Date Received: 02/13/23 12:27**
**Sample Depth: 10'**

## Lab Sample ID: 890-4092-3
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:30 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:30 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:30 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:30 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:30 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *117* | | *70 - 130* | *02/14/23 12:23* | *02/15/23 02:30* | *1* |
| *1,4-Difluorobenzene (Surr)* | *95* | | *70 - 130* | *02/14/23 12:23* | *02/15/23 02:30* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 02/15/23 09:55 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 02/15/23 15:15 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Client Sample ID: TP-1

**Date Collected: 02/13/23 12:00**
**Date Received: 02/13/23 12:27**
**Sample Depth: 10'**

## Lab Sample ID: 890-4092-3

**Matrix: Solid**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 02/15/23 08:44 | 02/15/23 14:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 02/15/23 08:44 | 02/15/23 14:06 | 1 |
| OII Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 02/15/23 08:44 | 02/15/23 14:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *72* | | *70 - 130* | *02/15/23 08:44* | *02/15/23 14:06* | *1* |
| *o-Terphenyl* | *69* | *S1-* | *70 - 130* | *02/15/23 08:44* | *02/15/23 14:06* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **152** | | 4.97 | | mg/Kg | | | 02/15/23 13:35 | 1 |

# Surrogate Summary

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | BFB1 | DFBZ1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-24313-A-4-C MS | Matrix Spike | 103 | 101 |
| 880-24313-A-4-D MSD | Matrix Spike Duplicate | 114 | 90 |
| 890-4092-1 | TP-1 | 118 | 88 |
| 890-4092-2 | TP-1 | 110 | 85 |
| 890-4092-3 | TP-1 | 117 | 95 |
| LCS 880-46275/1-A | Lab Control Sample | 113 | 102 |
| LCSD 880-46275/2-A | Lab Control Sample Dup | 115 | 101 |
| MB 880-46177/5-A | Method Blank | 76 | 88 |
| MB 880-46275/5-A | Method Blank | 79 | 90 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | 1CO1 | OTPH1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-24624-A-1-F MS | Matrix Spike | 82 | 77 |
| 880-24624-A-1-G MSD | Matrix Spike Duplicate | 92 | 78 |
| 890-4092-1 | TP-1 | 71 | 70 |
| 890-4092-2 | TP-1 | 85 | 81 |
| 890-4092-3 | TP-1 | 72 | 69 S1- |
| LCS 880-46370/2-A | Lab Control Sample | 91 | 93 |
| LCSD 880-46370/3-A | Lab Control Sample Dup | 91 | 94 |
| MB 880-46370/1-A | Method Blank | 82 | 82 |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-46177/5-A**
**Matrix: Solid**
**Analysis Batch: 46260**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 46177**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *76* | | *70 - 130* | *02/13/23 15:05* | *02/14/23 11:06* | *1* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *02/13/23 15:05* | *02/14/23 11:06* | *1* |

**Lab Sample ID: MB 880-46275/5-A**
**Matrix: Solid**
**Analysis Batch: 46260**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 46275**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *79* | | *70 - 130* | *02/14/23 09:23* | *02/14/23 21:41* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *02/14/23 09:23* | *02/14/23 21:41* | *1* |

**Lab Sample ID: LCS 880-46275/1-A**
**Matrix: Solid**
**Analysis Batch: 46260**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 46275**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.08909 | | mg/Kg | | 89 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.08799 | | mg/Kg | | 88 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.09387 | | mg/Kg | | 94 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2005 | | mg/Kg | | 100 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.1086 | | mg/Kg | | 109 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *113* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* |

**Lab Sample ID: LCSD 880-46275/2-A**
**Matrix: Solid**
**Analysis Batch: 46260**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 46275**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1073 | | mg/Kg | | 107 | 70 - 130 | 19 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCSD 880-46275/2-A**
**Matrix: Solid**
**Analysis Batch: 46260**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 46275**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.1037 | | mg/Kg | | 104 | 70 - 130 | 16 | 35 |
| Ethylbenzene | | | 0.100 | 0.1056 | | mg/Kg | | 106 | 70 - 130 | 12 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2275 | | mg/Kg | | 114 | 70 - 130 | 13 | 35 |
| o-Xylene | | | 0.100 | 0.1175 | | mg/Kg | | 117 | 70 - 130 | 8 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* |

**Lab Sample ID: 880-24313-A-4-C MS**
**Matrix: Solid**
**Analysis Batch: 46260**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 46275**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.09069 | | mg/Kg | | 90 | 70 - 130 |
| Toluene | <0.00200 | U | 0.100 | 0.08947 | | mg/Kg | | 89 | 70 - 130 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.08980 | | mg/Kg | | 89 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.201 | 0.1896 | | mg/Kg | | 94 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.100 | 0.09667 | | mg/Kg | | 96 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* |

**Lab Sample ID: 880-24313-A-4-D MSD**
**Matrix: Solid**
**Analysis Batch: 46260**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 46275**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0990 | 0.09474 | | mg/Kg | | 96 | 70 - 130 | 4 | 35 |
| Toluene | <0.00200 | U | 0.0990 | 0.09519 | | mg/Kg | | 96 | 70 - 130 | 6 | 35 |
| Ethylbenzene | <0.00200 | U | 0.0990 | 0.1023 | | mg/Kg | | 103 | 70 - 130 | 13 | 35 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.198 | 0.2156 | | mg/Kg | | 109 | 70 - 130 | 13 | 35 |
| o-Xylene | <0.00200 | U | 0.0990 | 0.1100 | | mg/Kg | | 111 | 70 - 130 | 13 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-46370/1-A**
**Matrix: Solid**
**Analysis Batch: 46351**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 46370**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 02/15/23 07:44 | 02/15/23 08:08 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: MB 880-46370/1-A**
**Matrix: Solid**
**Analysis Batch: 46351**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 46370**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 02/15/23 07:44 | 02/15/23 08:08 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 02/15/23 07:44 | 02/15/23 08:08 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *82* | | *70 - 130* | *02/15/23 07:44* | *02/15/23 08:08* | *1* |
| *o-Terphenyl* | *82* | | *70 - 130* | *02/15/23 07:44* | *02/15/23 08:08* | *1* |

**Lab Sample ID: LCS 880-46370/2-A**
**Matrix: Solid**
**Analysis Batch: 46351**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 46370**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 883.2 | | mg/Kg | | 88 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 936.2 | | mg/Kg | | 94 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *91* | | *70 - 130* |
| *o-Terphenyl* | *93* | | *70 - 130* |

**Lab Sample ID: LCSD 880-46370/3-A**
**Matrix: Solid**
**Analysis Batch: 46351**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 46370**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 871.1 | | mg/Kg | | 87 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 940.7 | | mg/Kg | | 94 | 70 - 130 | 0 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *91* | | *70 - 130* |
| *o-Terphenyl* | *94* | | *70 - 130* |

**Lab Sample ID: 880-24624-A-1-F MS**
**Matrix: Solid**
**Analysis Batch: 46351**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 46370**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 1000 | 877.5 | | mg/Kg | | 84 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 1000 | 801.4 | | mg/Kg | | 78 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *82* | | *70 - 130* |
| *o-Terphenyl* | *77* | | *70 - 130* |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 880-24624-A-1-G MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 46351** — **Prep Batch: 46370**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 1000 | 879.1 | | mg/Kg | | 85 | 70 - 130 | 0 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 1000 | 819.3 | | mg/Kg | | 80 | 70 - 130 | 2 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *92* | | *70 - 130* |
| *o-Terphenyl* | *78* | | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-46340/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 46411**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 02/15/23 11:29 | 1 |

**Lab Sample ID: LCS 880-46340/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 46411**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 240.7 | | mg/Kg | | 96 | 90 - 110 |

**Lab Sample ID: LCSD 880-46340/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 46411**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 241.0 | | mg/Kg | | 96 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-4082-A-31-B MS** — **Client Sample ID: Matrix Spike**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 46411**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 567 | F1 | 249 | 780.6 | F1 | mg/Kg | | 86 | 90 - 110 |

**Lab Sample ID: 890-4082-A-31-C MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 46411**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 567 | F1 | 249 | 780.0 | F1 | mg/Kg | | 86 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## GC VOA

### Prep Batch: 46177

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-46177/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Analysis Batch: 46260

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4092-1 | TP-1 | Total/NA | Solid | 8021B | 46275 |
| 890-4092-2 | TP-1 | Total/NA | Solid | 8021B | 46275 |
| 890-4092-3 | TP-1 | Total/NA | Solid | 8021B | 46275 |
| MB 880-46177/5-A | Method Blank | Total/NA | Solid | 8021B | 46177 |
| MB 880-46275/5-A | Method Blank | Total/NA | Solid | 8021B | 46275 |
| LCS 880-46275/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 46275 |
| LCSD 880-46275/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 46275 |
| 880-24313-A-4-C MS | Matrix Spike | Total/NA | Solid | 8021B | 46275 |
| 880-24313-A-4-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 46275 |

### Prep Batch: 46275

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4092-1 | TP-1 | Total/NA | Solid | 5035 | |
| 890-4092-2 | TP-1 | Total/NA | Solid | 5035 | |
| 890-4092-3 | TP-1 | Total/NA | Solid | 5035 | |
| MB 880-46275/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-46275/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-46275/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-24313-A-4-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-24313-A-4-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 46384

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4092-1 | TP-1 | Total/NA | Solid | Total BTEX | |
| 890-4092-2 | TP-1 | Total/NA | Solid | Total BTEX | |
| 890-4092-3 | TP-1 | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Analysis Batch: 46351

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4092-1 | TP-1 | Total/NA | Solid | 8015B NM | 46370 |
| 890-4092-2 | TP-1 | Total/NA | Solid | 8015B NM | 46370 |
| 890-4092-3 | TP-1 | Total/NA | Solid | 8015B NM | 46370 |
| MB 880-46370/1-A | Method Blank | Total/NA | Solid | 8015B NM | 46370 |
| LCS 880-46370/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 46370 |
| LCSD 880-46370/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 46370 |
| 880-24624-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015B NM | 46370 |
| 880-24624-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 46370 |

### Prep Batch: 46370

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4092-1 | TP-1 | Total/NA | Solid | 8015NM Prep | |
| 890-4092-2 | TP-1 | Total/NA | Solid | 8015NM Prep | |
| 890-4092-3 | TP-1 | Total/NA | Solid | 8015NM Prep | |
| MB 880-46370/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-46370/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## GC Semi VOA (Continued)

### Prep Batch: 46370 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCSD 880-46370/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-24624-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-24624-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 46441

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4092-1 | TP-1 | Total/NA | Solid | 8015 NM | |
| 890-4092-2 | TP-1 | Total/NA | Solid | 8015 NM | |
| 890-4092-3 | TP-1 | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 46340

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4092-1 | TP-1 | Soluble | Solid | DI Leach | |
| 890-4092-2 | TP-1 | Soluble | Solid | DI Leach | |
| 890-4092-3 | TP-1 | Soluble | Solid | DI Leach | |
| MB 880-46340/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-46340/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-46340/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4082-A-31-B MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-4082-A-31-C MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Analysis Batch: 46411

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4092-1 | TP-1 | Soluble | Solid | 300.0 | 46340 |
| 890-4092-2 | TP-1 | Soluble | Solid | 300.0 | 46340 |
| 890-4092-3 | TP-1 | Soluble | Solid | 300.0 | 46340 |
| MB 880-46340/1-A | Method Blank | Soluble | Solid | 300.0 | 46340 |
| LCS 880-46340/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 46340 |
| LCSD 880-46340/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 46340 |
| 890-4082-A-31-B MS | Matrix Spike | Soluble | Solid | 300.0 | 46340 |
| 890-4082-A-31-C MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 46340 |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Client Sample ID: TP-1
**Date Collected: 02/13/23 12:00**
**Date Received: 02/13/23 12:27**

## Lab Sample ID: 890-4092-1
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 46275 | 02/14/23 12:23 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46260 | 02/14/23 23:04 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46384 | 02/15/23 09:55 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46441 | 02/15/23 15:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 46370 | 02/15/23 08:44 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/15/23 13:23 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 46340 | 02/14/23 16:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 46411 | 02/15/23 13:25 | CH | EET MID |

## Client Sample ID: TP-1
**Date Collected: 02/13/23 12:00**
**Date Received: 02/13/23 12:27**

## Lab Sample ID: 890-4092-2
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 46275 | 02/14/23 12:23 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46260 | 02/14/23 23:25 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46384 | 02/15/23 09:55 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46441 | 02/15/23 15:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 46370 | 02/15/23 08:44 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/15/23 13:45 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 46340 | 02/14/23 16:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 46411 | 02/15/23 13:30 | CH | EET MID |

## Client Sample ID: TP-1
**Date Collected: 02/13/23 12:00**
**Date Received: 02/13/23 12:27**

## Lab Sample ID: 890-4092-3
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 46275 | 02/14/23 12:23 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46260 | 02/15/23 02:30 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46384 | 02/15/23 09:55 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46441 | 02/15/23 15:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 46370 | 02/15/23 08:44 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/15/23 14:06 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 46340 | 02/14/23 16:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 46411 | 02/15/23 13:35 | CH | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

# Method Summary

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: NT Global
Project/Site: Diamondback 24-25

Job ID: 890-4092-1
SDG: 226700

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---|---|---|---|---|---|
| 890-4092-1 | TP-1 | Solid | 02/13/23 12:00 | 02/13/23 12:27 | 6' |
| 890-4092-2 | TP-1 | Solid | 02/13/23 12:00 | 02/13/23 12:27 | 8' |
| 890-4092-3 | TP-1 | Solid | 02/13/23 12:00 | 02/13/23 12:27 | 10' |

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eurofins | Environment Testing Xenco

# Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 1

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | |
| Company Name: | NTGE | Company Name: | |
| Address: | 402 E Wood Ave. | Address: | |
| City, State ZIP: | Carlsbad NM 88220 | City, State ZIP: | |
| Phone: | 432-766-K918 | Email: | |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 | Turn Around | |
| Project Number: | 226700 | ☐ Routine ☑ Rush | |
| Project Location: | Lea Co, NM | Due Date: | 48hr |
| Sampler's Name: | Kenny Ham | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Samples Received Intact: | (Yes) No | Thermometer ID: | TAM-007 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | -0.2 |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | 18.2 |
| Total Containers: | | Corrected Temperature: | 18.0 |

ANALYSIS REQUEST

| Sample Identification | | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | Parameters: BTEX | TPH | Chlorides |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TP-1 | 6' | | 2/13 | | | G | 1 | | | | |
| TP-1 | 8' | | ↓ | | | ↓ | ↓ | | | | |
| TP-1 | 10 | | ↓ | | | ↓ | ↓ | | | | |

890-4092 Chain of Custody

**Preservative Codes**

None: NO DI Water: $H_2O$
Cool: Cool MeOH: Me
HCL: HC $HNO_3$: HN
$H_2SO_4$: $H_2$ NaOH: Na
$H_3PO_4$: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

**Sample Comments**

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag $SiO_2$ Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | | 2-13-23 1227 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

2/15/2023

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**Eurofins Carlsbad**
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

# Chain of Custody Record

eurofins Environment Testing

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Kramer Jessica | Carrier Tracking No(s): | COC No: 890-1132 1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Jessica.Kramer@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing South Centr | | Accreditations Required (See note): NELAP - Texas | | Job #: 890-4092-1 |
| Address: 1211 W Florida Ave | Due Date Requested: 2/15/2023 | | | |
| City: Midland | TAT Requested (days): | | | |
| State, Zip: TX, 79701 | | | | |
| Phone: 432-704-5440(Tel) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: Diamondback 24-25 | Project #: 88000222 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

| | | | |
|---|---|---|---|
| A | HCL | M | Hexane |
| B | NaOH | N | None |
| C | Zn Acetate | O | AsNaO2 |
| D | Nitric Acid | P | Na2O4S |
| E | NaHSO4 | Q | Na2SO3 |
| F | MeOH | R | Na2S2O3 |
| G | Amchlor | S | H2SO4 |
| H | Ascorbic Acid | T | TSP Dodecahydrate |
| I | Ice | U | Acetone |
| J | DI Water | V | MCAA |
| K | EDTA | W | pH 4-5 |
| L | EDA | Y | Trizma |
| | | Z | other (specify) |

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 300_ORGFM_28D/DI_LEACH Chloride | 8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO | 8021B/5035FP_Calc BTEX | 8015MOD_Calc | Total_BTEX_GCV | Total Number of containers | Special Instructions/Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | | | |
| TP-1 (890-4092-1) | 2/13/23 | 12 00 Mountain | | Solid | | | X | X | X | X | X | 1 | |
| TP-1 (890-4092-2) | 2/13/23 | 12 00 Mountain | | Solid | | | X | X | X | X | X | 1 | |
| TP-1 (890-4092-3) | 2/13/23 | 12 00 Mountain | | Solid | | | X | X | X | X | X | 1 | |

Note. Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2 | Special Instructions/QC Requirements |

| Empty Kit Relinquished by: | Date | Time | Method of Shipment: |
|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: | Date/Time | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time | Company | Received by: | Date/Time | Company |
| Relinquished by: | Date/Time. | Company | Received by: | Date/Time | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks |
|---|---|---|

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Received by OCD: 12/14/2024 12:00:14 AM
2/15/2023
Page 21 of 23
Released to Imaging: 4/2/2025 2:01:51 PM

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4092-1
SDG Number: 226700

**Login Number: 4092**
**List Number: 1**
**Creator: Stutzman, Amanda**

**List Source: Eurofins Carlsbad**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | N/A | Refer to Job Narrative for details. |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4092-1
SDG Number: 226700

**Login Number: 4092**
**List Number: 2**
**Creator: Teel, Brianna**

**List Source: Eurofins Midland**
**List Creation: 02/14/23 12:17 PM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Becky Haskell
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 3/20/2023 3:57:54 PM

## JOB DESCRIPTION

Diamondback 24-25 CTB
SDG NUMBER Lea County

## JOB NUMBER

890-4250-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.



Released to Imaging: 4/2/2025 2:01:51 PM

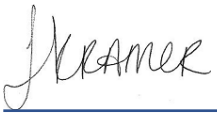
my EOL

# Eurofins Carlsbad

## Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated
3/20/2023 3:57:54 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Laboratory Job ID: 890-4250-1
SDG: Lea County

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# Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| *- | LCS and/or LCSD is outside acceptance limits, low biased. |
| *1 | LCS/LCSD RPD exceeds control limits. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Job ID: 890-4250-1

**Laboratory: Eurofins Carlsbad**

**Narrative**

**Job Narrative**
**890-4250-1**

**Receipt**
The samples were received on 3/7/2023 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 (0-5') (890-4250-1) and S-1 (5') (890-4250-2).

**GC VOA**
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48740 and analytical batch 880-48800 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: An incorrect volume of spiking solution was inadvertently added to the laboratory control sample (LCSD) associated with preparation batch 880-48740 and analytical batch 880-48800. Percent recoveries are based on the amount spiked.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-1 (0-5') (890-4250-1), S-1 (5') (890-4250-2), (LCS 880-48740/1-A), (LCSD 880-48740/2-A), (MB 880-48731/5-A) and (MB 880-48740/5-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-1 (0-5') (890-4250-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48252 and analytical batch 880-48274 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-48252 and analytical batch 880-48274 contained OII Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48252 and analytical batch 880-48274 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Client Sample ID: SW-1 (0-5')

**Lab Sample ID: 890-4250-1**
**Matrix: Solid**
**Date Collected: 03/07/23 00:00**
**Date Received: 03/07/23 16:30**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 2.62 | *- *1 | 0.199 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:11 | 100 |
| Toluene | 29.8 | *- *1 | 0.199 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:11 | 100 |
| Ethylbenzene | 19.1 | *- *1 | 0.199 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:11 | 100 |
| m-Xylene & p-Xylene | 77.1 | | 0.802 | | mg/Kg | | 03/20/23 08:52 | 03/20/23 15:17 | 200 |
| o-Xylene | 34.9 | *- *1 | 0.199 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:11 | 100 |
| Xylenes, Total | 110 | | 0.802 | | mg/Kg | | 03/20/23 08:52 | 03/20/23 15:17 | 200 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *327* | *S1+* | *70 - 130* | *03/16/23 12:01* | *03/18/23 16:11* | *100* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *03/16/23 12:01* | *03/18/23 16:11* | *100* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 164 | | 0.802 | | mg/Kg | | | 03/20/23 16:23 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 13400 | | 250 | | mg/Kg | | | 03/13/23 16:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 2580 | | 250 | | mg/Kg | | 03/09/23 15:59 | 03/10/23 18:39 | 5 |
| Diesel Range Organics (Over C10-C28) | 9580 | | 250 | | mg/Kg | | 03/09/23 15:59 | 03/10/23 18:39 | 5 |
| Oil Range Organics (Over C28-C36) | 1200 | | 250 | | mg/Kg | | 03/09/23 15:59 | 03/10/23 18:39 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *190* | *S1+* | *70 - 130* | *03/09/23 15:59* | *03/10/23 18:39* | *5* |
| *o-Terphenyl* | *175* | *S1+* | *70 - 130* | *03/09/23 15:59* | *03/10/23 18:39* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1060 | | 4.99 | | mg/Kg | | | 03/10/23 00:29 | 1 |

## Client Sample ID: S-1 (5')

**Lab Sample ID: 890-4250-2**
**Matrix: Solid**
**Date Collected: 03/07/23 00:00**
**Date Received: 03/07/23 16:30**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.372 | *- *1 | 0.201 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:31 | 100 |
| Toluene | 26.8 | *- *1 | 0.201 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:31 | 100 |
| Ethylbenzene | 24.3 | *- *1 | 0.201 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:31 | 100 |
| m-Xylene & p-Xylene | 32.0 | *- *1 | 0.402 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:31 | 100 |
| o-Xylene | 14.1 | *- *1 | 0.201 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:31 | 100 |
| Xylenes, Total | 46.1 | *- *1 | 0.402 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 16:31 | 100 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *222* | *S1+* | *70 - 130* | *03/16/23 12:01* | *03/18/23 16:31* | *100* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *03/16/23 12:01* | *03/18/23 16:31* | *100* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Client Sample ID: S-1 (5')

**Date Collected: 03/07/23 00:00**
**Date Received: 03/07/23 16:30**

## Lab Sample ID: 890-4250-2

**Matrix: Solid**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 97.6 | | 0.402 | | mg/Kg | | | 03/20/23 16:23 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 8330 | | 250 | | mg/Kg | | | 03/13/23 16:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1740 | | 250 | | mg/Kg | | 03/09/23 15:59 | 03/10/23 19:00 | 5 |
| Diesel Range Organics (Over C10-C28) | 5850 | | 250 | | mg/Kg | | 03/09/23 15:59 | 03/10/23 19:00 | 5 |
| Oil Range Organics (Over C28-C36) | 744 | | 250 | | mg/Kg | | 03/09/23 15:59 | 03/10/23 19:00 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *121* | | *70 - 130* | *03/09/23 15:59* | *03/10/23 19:00* | *5* |
| *o-Terphenyl* | *120* | | *70 - 130* | *03/09/23 15:59* | *03/10/23 19:00* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4200 | | 24.8 | | mg/Kg | | | 03/10/23 00:36 | 5 |

# Surrogate Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-25738-A-3-F MS | Matrix Spike | 109 | 94 |
| 880-25738-A-3-G MSD | Matrix Spike Duplicate | 115 | 82 |
| 880-25807-A-1-E MS | Matrix Spike | 91 | 108 |
| 880-25807-A-1-F MSD | Matrix Spike Duplicate | 93 | 94 |
| 890-4250-1 | SW-1 (0-5') | 327 S1+ | 93 |
| 890-4250-2 | S-1 (5') | 222 S1+ | 106 |
| LCS 880-48740/1-A | Lab Control Sample | 131 S1+ | 108 |
| LCS 880-48951/1-A | Lab Control Sample | 85 | 91 |
| LCSD 880-48740/2-A | Lab Control Sample Dup | 62 S1- | 96 |
| LCSD 880-48951/2-A | Lab Control Sample Dup | 83 | 109 |
| MB 880-48731/5-A | Method Blank | 70 | 69 S1- |
| MB 880-48740/5-A | Method Blank | 69 S1- | 91 |
| MB 880-48951/5-A | Method Blank | 72 | 86 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-4249-A-61-B MS | Matrix Spike | 115 | 112 |
| 890-4249-A-61-C MSD | Matrix Spike Duplicate | 111 | 107 |
| 890-4250-1 | SW-1 (0-5') | 190 S1+ | 175 S1+ |
| 890-4250-2 | S-1 (5') | 121 | 120 |
| LCS 880-48252/2-A | Lab Control Sample | 87 | 98 |
| LCSD 880-48252/3-A | Lab Control Sample Dup | 87 | 98 |
| MB 880-48252/1-A | Method Blank | 117 | 132 S1+ |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-48731/5-A**
**Matrix: Solid**
**Analysis Batch: 48800**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48731**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/16/23 09:56 | 03/17/23 21:51 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/16/23 09:56 | 03/17/23 21:51 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/16/23 09:56 | 03/17/23 21:51 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/16/23 09:56 | 03/17/23 21:51 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/16/23 09:56 | 03/17/23 21:51 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/16/23 09:56 | 03/17/23 21:51 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *70* | | *70 - 130* | *03/16/23 09:56* | *03/17/23 21:51* | *1* |
| *1,4-Difluorobenzene (Surr)* | *69* | *S1-* | *70 - 130* | *03/16/23 09:56* | *03/17/23 21:51* | *1* |

**Lab Sample ID: MB 880-48740/5-A**
**Matrix: Solid**
**Analysis Batch: 48800**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48740**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 08:27 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 08:27 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 08:27 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 08:27 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 08:27 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/16/23 12:01 | 03/18/23 08:27 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *69* | *S1-* | *70 - 130* | *03/16/23 12:01* | *03/18/23 08:27* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *03/16/23 12:01* | *03/18/23 08:27* | *1* |

**Lab Sample ID: LCS 880-48740/1-A**
**Matrix: Solid**
**Analysis Batch: 48800**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 48740**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08751 | | mg/Kg | | 88 | 70 - 130 |
| Toluene | 0.100 | 0.09755 | | mg/Kg | | 98 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1139 | | mg/Kg | | 114 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2520 | | mg/Kg | | 126 | 70 - 130 |
| o-Xylene | 0.100 | 0.1267 | | mg/Kg | | 127 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *131* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* |

**Lab Sample ID: LCSD 880-48740/2-A**
**Matrix: Solid**
**Analysis Batch: 48800**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 48740**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.05980 | *- *1 | mg/Kg | | 60 | 70 - 130 | 38 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCSD 880-48740/2-A**
**Matrix: Solid**
**Analysis Batch: 48800**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 48740**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.06203 | *- *1 | mg/Kg | | 62 | 70 - 130 | 45 | 35 |
| Ethylbenzene | | | 0.100 | 0.05644 | *- *1 | mg/Kg | | 56 | 70 - 130 | 67 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1076 | *- *1 | mg/Kg | | 54 | 70 - 130 | 80 | 35 |
| o-Xylene | | | 0.100 | 0.05384 | *- *1 | mg/Kg | | 54 | 70 - 130 | 81 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *62* | *S1-* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* |

**Lab Sample ID: 880-25807-A-1-E MS**
**Matrix: Solid**
**Analysis Batch: 48800**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 48740**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U *- *1 F1 F2 | 0.0998 | 0.09173 | | mg/Kg | | 92 | 70 - 130 |
| Toluene | <0.00200 | U *- *1 F1 F2 | 0.0998 | 0.07307 | | mg/Kg | | 73 | 70 - 130 |
| Ethylbenzene | <0.00200 | U *- *1 F1 F2 | 0.0998 | 0.05250 | F1 | mg/Kg | | 53 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00399 | U *- *1 F1 F2 | 0.200 | 0.1293 | F1 | mg/Kg | | 65 | 70 - 130 |
| o-Xylene | <0.00200 | U *- *1 F1 F2 | 0.0998 | 0.07177 | | mg/Kg | | 72 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* |

**Lab Sample ID: 880-25807-A-1-F MSD**
**Matrix: Solid**
**Analysis Batch: 48800**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 48740**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U *- *1 F1 F2 | 0.0990 | 0.03238 | F1 F2 | mg/Kg | | 33 | 70 - 130 | 96 | 35 |
| Toluene | <0.00200 | U *- *1 F1 F2 | 0.0990 | 0.03239 | F1 F2 | mg/Kg | | 33 | 70 - 130 | 77 | 35 |
| Ethylbenzene | <0.00200 | U *- *1 F1 F2 | 0.0990 | 0.02410 | F1 F2 | mg/Kg | | 24 | 70 - 130 | 74 | 35 |
| m-Xylene & p-Xylene | <0.00399 | U *- *1 F1 F2 | 0.198 | 0.05828 | F1 F2 | mg/Kg | | 29 | 70 - 130 | 76 | 35 |
| o-Xylene | <0.00200 | U *- *1 F1 F2 | 0.0990 | 0.03968 | F1 F2 | mg/Kg | | 40 | 70 - 130 | 58 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-48951/5-A**
**Matrix: Solid**
**Analysis Batch: 48949**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48951**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 08:52 | 03/20/23 12:12 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 08:52 | 03/20/23 12:12 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 08:52 | 03/20/23 12:12 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/20/23 08:52 | 03/20/23 12:12 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 08:52 | 03/20/23 12:12 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/20/23 08:52 | 03/20/23 12:12 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *72* | | *70 - 130* | *03/20/23 08:52* | *03/20/23 12:12* | *1* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* | *03/20/23 08:52* | *03/20/23 12:12* | *1* |

**Lab Sample ID: LCS 880-48951/1-A**
**Matrix: Solid**
**Analysis Batch: 48949**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 48951**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1036 | | mg/Kg | | 104 | 70 - 130 |
| Toluene | 0.100 | 0.1035 | | mg/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09340 | | mg/Kg | | 93 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1942 | | mg/Kg | | 97 | 70 - 130 |
| o-Xylene | 0.100 | 0.09432 | | mg/Kg | | 94 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *85* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* |

**Lab Sample ID: LCSD 880-48951/2-A**
**Matrix: Solid**
**Analysis Batch: 48949**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 48951**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1160 | | mg/Kg | | 116 | 70 - 130 | 11 | 35 |
| Toluene | 0.100 | 0.09918 | | mg/Kg | | 99 | 70 - 130 | 4 | 35 |
| Ethylbenzene | 0.100 | 0.08763 | | mg/Kg | | 88 | 70 - 130 | 6 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1829 | | mg/Kg | | 91 | 70 - 130 | 6 | 35 |
| o-Xylene | 0.100 | 0.08907 | | mg/Kg | | 89 | 70 - 130 | 6 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *83* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *109* | | *70 - 130* |

**Lab Sample ID: 880-25738-A-3-F MS**
**Matrix: Solid**
**Analysis Batch: 48949**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 48951**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.0998 | 0.08500 | | mg/Kg | | 85 | 70 - 130 |
| Toluene | <0.00198 | U | 0.0998 | 0.08669 | | mg/Kg | | 87 | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 880-25738-A-3-F MS**
**Matrix: Solid**
**Analysis Batch: 48949**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 48951**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00198 | U | 0.0998 | 0.08637 | | mg/Kg | | 87 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.200 | 0.1844 | | mg/Kg | | 92 | 70 - 130 |
| o-Xylene | <0.00198 | U | 0.0998 | 0.08950 | | mg/Kg | | 89 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* |

**Lab Sample ID: 880-25738-A-3-G MSD**
**Matrix: Solid**
**Analysis Batch: 48949**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 48951**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.100 | 0.09692 | | mg/Kg | | 97 | 70 - 130 | 13 | 35 |
| Toluene | <0.00198 | U | 0.100 | 0.09739 | | mg/Kg | | 97 | 70 - 130 | 12 | 35 |
| Ethylbenzene | <0.00198 | U | 0.100 | 0.09262 | | mg/Kg | | 92 | 70 - 130 | 7 | 35 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.201 | 0.2046 | | mg/Kg | | 102 | 70 - 130 | 10 | 35 |
| o-Xylene | <0.00198 | U | 0.100 | 0.1048 | | mg/Kg | | 104 | 70 - 130 | 16 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *82* | | *70 - 130* |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-48252/1-A**
**Matrix: Solid**
**Analysis Batch: 48274**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48252**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/09/23 15:58 | 03/10/23 08:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/09/23 15:58 | 03/10/23 08:23 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/09/23 15:58 | 03/10/23 08:23 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *117* | | *70 - 130* | *03/09/23 15:58* | *03/10/23 08:23* | *1* |
| *o-Terphenyl* | *132* | *S1+* | *70 - 130* | *03/09/23 15:58* | *03/10/23 08:23* | *1* |

**Lab Sample ID: LCS 880-48252/2-A**
**Matrix: Solid**
**Analysis Batch: 48274**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 48252**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1046 | | mg/Kg | | 105 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 771.2 | | mg/Kg | | 77 | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 880-48252/2-A**
**Matrix: Solid**
**Analysis Batch: 48274**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 48252**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 87 | | 70 - 130 |
| o-Terphenyl | 98 | | 70 - 130 |

**Lab Sample ID: LCSD 880-48252/3-A**
**Matrix: Solid**
**Analysis Batch: 48274**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 48252**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 1029 | | mg/Kg | | 103 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 756.2 | | mg/Kg | | 76 | 70 - 130 | 2 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 87 | | 70 - 130 |
| o-Terphenyl | 98 | | 70 - 130 |

**Lab Sample ID: 890-4249-A-61-B MS**
**Matrix: Solid**
**Analysis Batch: 48274**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 48252**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 168 | | 1000 | 1162 | | mg/Kg | | 99 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 2110 | F1 | 1000 | 2544 | F1 | mg/Kg | | 44 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 115 | | 70 - 130 |
| o-Terphenyl | 112 | | 70 - 130 |

**Lab Sample ID: 890-4249-A-61-C MSD**
**Matrix: Solid**
**Analysis Batch: 48274**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 48252**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 168 | | 1000 | 1139 | | mg/Kg | | 97 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | 2110 | F1 | 1000 | 2356 | F1 | mg/Kg | | 25 | 70 - 130 | 8 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 111 | | 70 - 130 |
| o-Terphenyl | 107 | | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-48204/1-A**
**Matrix: Solid**
**Analysis Batch: 48263**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/09/23 22:51 | 1 |

**Lab Sample ID: LCS 880-48204/2-A**
**Matrix: Solid**
**Analysis Batch: 48263**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 253.2 | | mg/Kg | | 101 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-48204/3-A**
**Matrix: Solid**
**Analysis Batch: 48263**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 253.2 | | mg/Kg | | 101 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-4250-2 MS**
**Matrix: Solid**
**Analysis Batch: 48263**

**Client Sample ID: S-1 (5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4200 | | 1240 | 5347 | | mg/Kg | | 93 | 90 - 110 | | |

**Lab Sample ID: 890-4250-2 MSD**
**Matrix: Solid**
**Analysis Batch: 48263**

**Client Sample ID: S-1 (5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4200 | | 1240 | 5352 | | mg/Kg | | 93 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## GC VOA

### Prep Batch: 48731

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-48731/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 48740

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Total/NA | Solid | 5035 | |
| 890-4250-2 | S-1 (5') | Total/NA | Solid | 5035 | |
| MB 880-48740/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-48740/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-48740/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-25807-A-1-E MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-25807-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 48800

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Total/NA | Solid | 8021B | 48740 |
| 890-4250-2 | S-1 (5') | Total/NA | Solid | 8021B | 48740 |
| MB 880-48731/5-A | Method Blank | Total/NA | Solid | 8021B | 48731 |
| MB 880-48740/5-A | Method Blank | Total/NA | Solid | 8021B | 48740 |
| LCS 880-48740/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 48740 |
| LCSD 880-48740/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 48740 |
| 880-25807-A-1-E MS | Matrix Spike | Total/NA | Solid | 8021B | 48740 |
| 880-25807-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 48740 |

### Analysis Batch: 48949

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Total/NA | Solid | 8021B | 48951 |
| MB 880-48951/5-A | Method Blank | Total/NA | Solid | 8021B | 48951 |
| LCS 880-48951/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 48951 |
| LCSD 880-48951/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 48951 |
| 880-25738-A-3-F MS | Matrix Spike | Total/NA | Solid | 8021B | 48951 |
| 880-25738-A-3-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 48951 |

### Prep Batch: 48951

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Total/NA | Solid | 5035 | |
| MB 880-48951/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-48951/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-48951/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-25738-A-3-F MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-25738-A-3-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 49039

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Total/NA | Solid | Total BTEX | |
| 890-4250-2 | S-1 (5') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 48252

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## GC Semi VOA (Continued)

### Prep Batch: 48252 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-2 | S-1 (5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-48252/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-48252/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-48252/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4249-A-61-B MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-4249-A-61-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 48274

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Total/NA | Solid | 8015B NM | 48252 |
| 890-4250-2 | S-1 (5') | Total/NA | Solid | 8015B NM | 48252 |
| MB 880-48252/1-A | Method Blank | Total/NA | Solid | 8015B NM | 48252 |
| LCS 880-48252/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 48252 |
| LCSD 880-48252/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 48252 |
| 890-4249-A-61-B MS | Matrix Spike | Total/NA | Solid | 8015B NM | 48252 |
| 890-4249-A-61-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 48252 |

### Analysis Batch: 48529

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Total/NA | Solid | 8015 NM | |
| 890-4250-2 | S-1 (5') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 48204

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Soluble | Solid | DI Leach | |
| 890-4250-2 | S-1 (5') | Soluble | Solid | DI Leach | |
| MB 880-48204/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-48204/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-48204/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4250-2 MS | S-1 (5') | Soluble | Solid | DI Leach | |
| 890-4250-2 MSD | S-1 (5') | Soluble | Solid | DI Leach | |

### Analysis Batch: 48263

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Soluble | Solid | 300.0 | 48204 |
| 890-4250-2 | S-1 (5') | Soluble | Solid | 300.0 | 48204 |
| MB 880-48204/1-A | Method Blank | Soluble | Solid | 300.0 | 48204 |
| LCS 880-48204/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 48204 |
| LCSD 880-48204/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 48204 |
| 890-4250-2 MS | S-1 (5') | Soluble | Solid | 300.0 | 48204 |
| 890-4250-2 MSD | S-1 (5') | Soluble | Solid | 300.0 | 48204 |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Client Sample ID: SW-1 (0-5')

**Lab Sample ID: 890-4250-1**
**Matrix: Solid**
**Date Collected: 03/07/23 00:00**
**Date Received: 03/07/23 16:30**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 48740 | 03/16/23 12:01 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 100 | 5 mL | 5 mL | 48800 | 03/18/23 16:11 | MNR | EET MID |
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 48951 | 03/20/23 08:52 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 200 | 5 mL | 5 mL | 48949 | 03/20/23 15:17 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49039 | 03/20/23 16:23 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 48529 | 03/13/23 16:53 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 48252 | 03/09/23 15:59 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48274 | 03/10/23 18:39 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 48204 | 03/09/23 11:30 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 48263 | 03/10/23 00:29 | CH | EET MID |

## Client Sample ID: S-1 (5')

**Lab Sample ID: 890-4250-2**
**Matrix: Solid**
**Date Collected: 03/07/23 00:00**
**Date Received: 03/07/23 16:30**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 48740 | 03/16/23 12:01 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 100 | 5 mL | 5 mL | 48800 | 03/18/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49039 | 03/20/23 16:23 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 48529 | 03/13/23 16:53 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 48252 | 03/09/23 15:59 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48274 | 03/10/23 19:00 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 48204 | 03/09/23 11:30 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 48263 | 03/10/23 00:36 | CH | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

# Method Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4250-1
SDG: Lea County

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 890-4250-1 | SW-1 (0-5') | Solid | 03/07/23 00:00 | 03/07/23 16:30 |
| 890-4250-2 | S-1 (5') | Solid | 03/07/23 00:00 | 03/07/23 16:30 |

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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____

Page 1 of 1

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level I☐ PST/U☐ TR☐P Le☐el

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County | Due Date: | |
| Sampler's Name: | Tyler Kimball | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | | |
|---|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No | |
| Received Intact: | Yes No | Thermometer ID: | TWm007 | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | -0.2 | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | 4.2 | |
| Total Containers: | 2 | Corrected Temperature: | 4.0 | |

**ANALYSIS REQUEST**

**Preservative Codes**

None: NO DI Water: $H_2O$

Cool: Cool MeOH: Me

HCL: HC $HNO_3$: HN

$H_2S0_4$: $H_2$ NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-1 (0-5') | 3/7/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-1 (5') | 3/7/2023 | | x | | Grab/ | 1 | | x | x | x | | |

890-4250 Chain of Custody

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 Tyler Kimball | Clare Gray | 3-7-23 1630 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date 05012020 Rev. 2020.1

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3/20/2023

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4250-1
SDG Number: Lea County

**Login Number: 4250**
**List Number: 1**
**Creator: Stutzman, Amanda**

**List Source: Eurofins Carlsbad**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | N/A | Refer to Job Narrative for details. |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4250-1
SDG Number: Lea County

**Login Number: 4250**
**List Number: 2**
**Creator: Johnson, Allison**

**List Source: Eurofins Midland**
**List Creation: 03/09/23 04:01 PM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling. | True | |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Becky Haskell
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 3/26/2023 7:48:57 AM

## JOB DESCRIPTION

Diamondback 24-25 CTB
SDG NUMBER 226700

## JOB NUMBER

890-4288-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.



Released to Imaging: 4/2/2025 2:01:51 PM

my EOL

# Eurofins Carlsbad

## Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization

Generated
3/26/2023 7:48:57 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Laboratory Job ID: 890-4288-1
SDG: 226700

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# Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| E | Result exceeded calibration range. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| F2 | MS/MSD RPD exceeds control limits |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Job ID: 890-4288-1

**Laboratory: Eurofins Carlsbad**

**Narrative**

**Job Narrative**
**890-4288-1**

**Receipt**
The samples were received on 3/10/2023 3:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: S-2 (1-1.5) (890-4288-1), S-2 (2-2.5) (890-4288-2), S-2 (3-3.5) (890-4288-3), S-2 (4-4.5) (890-4288-4), S-3 (1-1.5) (890-4288-5), S-3 (2-2.5) (890-4288-6), S-3 (3-3.5) (890-4288-7), S-3 (4-4.5) (890-4288-8), S-4 (1-1.5) (890-4288-9), S-4 (2-2.5) (890-4288-10), S-4 (3-3.5) (890-4288-11), S-4 (4-4.5) (890-4288-12), S-5 (1-1.5) (890-4288-13), S-5 (2-2.5) (890-4288-14), S-5 (3-3.5) (890-4288-15), S-5 (4-4.5) (890-4288-16), S-6 (1-1.5) (890-4288-17), S-6 (2-2.5) (890-4288-18), S-6 (3-3.5) (890-4288-19), S-6 (4-4.5) (890-4288-20), S-7 (1-1.5) (890-4288-21), S-7 (2-2.5) (890-4288-22), S-7 (3-3.5) (890-4288-23), S-7 (4-4.5) (890-4288-24), S-8 (1-1.5) (890-4288-25), S-8 (2-2.5) (890-4288-26), S-8 (3-3.5) (890-4288-27), S-8 (4-4.5) (890-4288-28), S-9 (1-1.5) (890-4288-29), S-9 (2-2.5) (890-4288-30), S-9 (3-3.5) (890-4288-31), S-9 (4-4.5) (890-4288-32), S-10 (1-1.5) (890-4288-33), S-10 (2-2.5) (890-4288-34), S-10 (3-3.5) (890-4288-35), S-10 (4-4.5) (890-4288-36), S-11 (1-1.5) (890-4288-37), S-11 (2-2.5) (890-4288-38), S-11 (3-3.5) (890-4288-39), S-11 (4-4.5) (890-4288-40), S-12 (1-1.5) (890-4288-41), S-12 (2-2.5) (890-4288-42), S-12 (3-3.5) (890-4288-43), S-12 (4-4.5) (890-4288-44), S-13 (1-1.5) (890-4288-45), S-13 (2-2.5) (890-4288-46), S-13 (3-3.5) (890-4288-47), S-13 (4-4.5) (890-4288-48), S-14 (1-1.5) (890-4288-49), S-14 (2-2.5) (890-4288-50), S-14 (3-3.5) (890-4288-51), S-14 (4-4.5) (890-4288-52), S-15 (1-1.5) (890-4288-53), S-15 (2-2.5) (890-4288-54), S-15 (3-3.5) (890-4288-55) and S-15 (4-4.5) (890-4288-56).

**GC VOA**
Method 8021B: Surrogate recovery for the following sample was outside control limits: S-15 (2-2.5) (890-4288-54). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-49035 and analytical batch 880-49106 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-7 (1-1.5) (890-4288-21), S-7 (4-4.5) (890-4288-24), S-8 (1-1.5) (890-4288-25), S-8 (2-2.5) (890-4288-26), S-8 (3-3.5) (890-4288-27), S-8 (4-4.5) (890-4288-28), S-9 (1-1.5) (890-4288-29), S-9 (2-2.5) (890-4288-30), S-9 (3-3.5) (890-4288-31), S-9 (4-4.5) (890-4288-32), S-10 (1-1.5) (890-4288-33), S-10 (2-2.5) (890-4288-34), S-10 (3-3.5) (890-4288-35) and S-11 (1-1.5) (890-4288-37). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-49036 and analytical batch 880-49162 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-49192/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-8 (1-1.5) (890-4288-25), S-8 (2-2.5) (890-4288-26), S-8 (3-3.5) (890-4288-27) and S-10 (2-2.5) (890-4288-34). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Reporting Limit - Estimated; Outside Calibration Range : The reporting limit provided for the following analyte(s) falls below the laboratory's lowest calibration standard: m-Xylene & p-Xylene and o-Xylene<RL>. Results reported below the lowest calibration standard are estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Job ID: 890-4288-1 (Continued)

### Laboratory: Eurofins Carlsbad (Continued)

**GC Semi VOA**

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-8 (1-1.5) (890-4288-25), S-8 (2-2.5) (890-4288-26), S-8 (3-3.5) (890-4288-27) and S-9 (1-1.5) (890-4288-29). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-9 (2-2.5) (890-4288-30), S-9 (3-3.5) (890-4288-31) and S-9 (4-4.5) (890-4288-32). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-48600 and analytical batch 880-48815 was outside control limits. Sample non-homogeneity is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-2 (1-1.5)

**Lab Sample ID: 890-4288-1**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:21 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:21 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:21 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:21 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:21 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 03:21* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 03:21* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U F2 | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 11:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 11:06 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 11:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *87* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 11:06* | *1* |
| *o-Terphenyl* | *88* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 11:06* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **188** | | 5.01 | | mg/Kg | | | 03/20/23 09:54 | 1 |

## Client Sample ID: S-2 (2-2.5)

**Lab Sample ID: 890-4288-2**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:42 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:42 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:42 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:42 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:42 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 03:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 03:42* | *1* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 03:42* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-2 (2-2.5)

**Lab Sample ID: 890-4288-2**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 12:14 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 12:14 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 12:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *77* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 12:14* | *1* |
| *o-Terphenyl* | *71* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 12:14* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **19.8** | | 5.00 | | mg/Kg | | | 03/20/23 10:08 | 1 |

## Client Sample ID: S-2 (3-3.5)

**Lab Sample ID: 890-4288-3**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 04:03 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 04:03 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 04:03 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 04:03 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 04:03 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 04:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 04:03* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 04:03* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 12:36 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 12:36 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-2 (3-3.5)

**Lab Sample ID: 890-4288-3**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 12:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *89* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 12:36* | *1* |
| *o-Terphenyl* | *88* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 12:36* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **21.5** | | 4.99 | | mg/Kg | | | 03/20/23 10:13 | 1 |

## Client Sample ID: S-2 (4-4.5)

**Lab Sample ID: 890-4288-4**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:10 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:10 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:10 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:10 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:10 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 06:10* | *1* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 06:10* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **93.9** | | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 12:57 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **93.9** | | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 12:57 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 12:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 12:57* | *1* |
| *o-Terphenyl* | *99* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 12:57* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **42.3** | | 4.95 | | mg/Kg | | | 03/20/23 10:18 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-3 (1-1.5)

**Lab Sample ID: 890-4288-5**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:31 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:31 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:31 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:31 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:31 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 06:31* | *1* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 06:31* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 13:19 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 13:19 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 13:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *80* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 13:19* | *1* |
| *o-Terphenyl* | *80* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 13:19* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **14.8** | | 5.00 | | mg/Kg | | | 03/20/23 10:22 | 1 |

## Client Sample ID: S-3 (2-2.5)

**Lab Sample ID: 890-4288-6**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:52 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:52 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:52 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:52 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:52 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 06:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *47* | *S1-* | *70 - 130* | *03/20/23 16:09* | *03/22/23 06:52* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 06:52* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-3 (2-2.5)

**Lab Sample ID: 890-4288-6**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 13:41 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 13:41 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 13:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *91* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 13:41* | *1* |
| *o-Terphenyl* | *85* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 13:41* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/20/23 10:37 | 1 |

## Client Sample ID: S-3 (3-3.5)

**Lab Sample ID: 890-4288-7**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:13 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:13 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:13 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:13 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:13 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 07:13* | *1* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 07:13* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 14:03 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 14:03 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-3 (3-3.5)

**Lab Sample ID: 890-4288-7**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 14:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *85* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 14:03* | *1* |
| *o-Terphenyl* | *88* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 14:03* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **102** | | 4.96 | | mg/Kg | | | 03/20/23 10:42 | 1 |

## Client Sample ID: S-3 (4-4.5)

**Lab Sample ID: 890-4288-8**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:34 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:34 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:34 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:34 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:34 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:34 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 07:34* | *1* |
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 07:34* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 14:24 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 14:24 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 14:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 14:24* | *1* |
| *o-Terphenyl* | *102* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 14:24* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <4.97 | U | 4.97 | | mg/Kg | | | 03/20/23 10:47 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-4 (1-1.5)

**Lab Sample ID: 890-4288-9**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:54 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:54 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:54 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:54 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:54 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 07:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 07:54* | *1* |
| *1,4-Difluorobenzene (Surr)* | *105* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 07:54* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 14:47 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 14:47 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 14:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *92* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 14:47* | *1* |
| *o-Terphenyl* | *89* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 14:47* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **72.6** | | 5.00 | | mg/Kg | | | 03/20/23 10:52 | 1 |

## Client Sample ID: S-4 (2-2.5)

**Lab Sample ID: 890-4288-10**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:15 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:15 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:15 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:15 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:15 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 08:15* | *1* |
| *1,4-Difluorobenzene (Surr)* | *109* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 08:15* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-4 (2-2.5)

**Lab Sample ID: 890-4288-10**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 15:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 15:09 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 15:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *95* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 15:09* | *1* |
| *o-Terphenyl* | *96* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 15:09* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **7.53** | | 4.99 | | mg/Kg | | | 03/20/23 10:56 | 1 |

## Client Sample ID: S-4 (3-3.5)

**Lab Sample ID: 890-4288-11**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:36 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:36 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:36 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:36 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:36 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 08:36* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 08:36* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 15:53 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 15:53 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-4 (3-3.5)

**Lab Sample ID: 890-4288-11**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 15:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *82* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 15:53* | *1* |
| *o-Terphenyl* | *80* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 15:53* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <4.95 | U | 4.95 | | mg/Kg | | | 03/20/23 14:00 | 1 |

## Client Sample ID: S-4 (4-4.5)

**Lab Sample ID: 890-4288-12**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:57 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:57 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:57 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:57 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:57 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 08:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 08:57* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 08:57* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 16:15 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 16:15 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 16:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 16:15* | *1* |
| *o-Terphenyl* | *95* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 16:15* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **39.1** | | 5.00 | | mg/Kg | | | 03/20/23 14:15 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-5 (1-1.5)

**Lab Sample ID: 890-4288-13**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 09:17 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 09:17 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 09:17 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 09:17 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 09:17 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 09:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 09:17* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 09:17* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **83.5** | | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 16:38 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **83.5** | | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 16:38 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 16:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *95* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 16:38* | *1* |
| *o-Terphenyl* | *92* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 16:38* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **860** | | 4.98 | | mg/Kg | | | 03/20/23 14:20 | 1 |

## Client Sample ID: S-5 (2-2.5)

**Lab Sample ID: 890-4288-14**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00994 | U | 0.00994 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 16:35 | 5 |
| Toluene | <0.00994 | U | 0.00994 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 16:35 | 5 |
| Ethylbenzene | <0.00994 | U | 0.00994 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 16:35 | 5 |
| m-Xylene & p-Xylene | <0.0199 | U | 0.0199 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 16:35 | 5 |
| o-Xylene | <0.00994 | U | 0.00994 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 16:35 | 5 |
| Xylenes, Total | <0.0199 | U | 0.0199 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 16:35 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *03/22/23 13:23* | *03/23/23 16:35* | *5* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* | *03/22/23 13:23* | *03/23/23 16:35* | *5* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-5 (2-2.5)

**Lab Sample ID: 890-4288-14**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.0199 | U | 0.0199 | | mg/Kg | | | 03/24/23 08:51 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 17:00 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 17:00 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 17:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 17:00* | *1* |
| *o-Terphenyl* | *96* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 17:00* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **129** | | 4.97 | | mg/Kg | | | 03/20/23 14:34 | 1 |

## Client Sample ID: S-5 (3-3.5)

**Lab Sample ID: 890-4288-15**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:51 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:51 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:51 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:51 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:51 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 13:51* | *1* |
| *1,4-Difluorobenzene (Surr)* | *78* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 13:51* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 17:22 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 17:22 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-5 (3-3.5)

**Lab Sample ID: 890-4288-15**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 17:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *81* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 17:22* | *1* |
| *o-Terphenyl* | *80* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 17:22* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **167** | | 4.96 | | mg/Kg | | | 03/20/23 14:39 | 1 |

## Client Sample ID: S-5 (4-4.5)

**Lab Sample ID: 890-4288-16**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:11 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:11 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:11 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:11 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:11 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 14:11* | *1* |
| *1,4-Difluorobenzene (Surr)* | *79* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 14:11* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 17:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 17:44 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 17:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 17:44* | *1* |
| *o-Terphenyl* | *91* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 17:44* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **128** | | 5.04 | | mg/Kg | | | 03/20/23 14:44 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-6 (1-1.5)

**Lab Sample ID: 890-4288-17**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:32 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:32 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:32 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:32 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:32 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 14:32* | *1* |
| *1,4-Difluorobenzene (Surr)* | *83* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 14:32* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **101** | | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 18:06 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **101** | | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 18:06 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 18:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 18:06* | *1* |
| *o-Terphenyl* | *95* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 18:06* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **852** | | 4.98 | | mg/Kg | | | 03/20/23 14:49 | 1 |

## Client Sample ID: S-6 (2-2.5)

**Lab Sample ID: 890-4288-18**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:53 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:53 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:53 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:53 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:53 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 14:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 14:53* | *1* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 14:53* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-6 (2-2.5)

**Lab Sample ID: 890-4288-18**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 18:28 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 18:28 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 18:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 18:28* | *1* |
| *o-Terphenyl* | *99* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 18:28* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **25.6** | | 4.95 | | mg/Kg | | | 03/20/23 14:54 | 1 |

## Client Sample ID: S-6 (3-3.5)

**Lab Sample ID: 890-4288-19**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:14 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:14 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:14 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:14 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:14 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 15:14* | *1* |
| *1,4-Difluorobenzene (Surr)* | *105* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 15:14* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 18:50 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 18:50 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-6 (3-3.5)

**Lab Sample ID: 890-4288-19**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 18:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *87* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 18:50* | *1* |
| *o-Terphenyl* | *81* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 18:50* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **36.0** | | 4.97 | | mg/Kg | | | 03/20/23 14:59 | 1 |

## Client Sample ID: S-6 (4-4.5)

**Lab Sample ID: 890-4288-20**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:34 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:34 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:34 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:34 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:34 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:34 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 15:34* | *1* |
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 15:34* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 19:12 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 19:12 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:26 | 03/17/23 19:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 19:12* | *1* |
| *o-Terphenyl* | *87* | | *70 - 130* | *03/14/23 12:26* | *03/17/23 19:12* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **5.83** | | 4.97 | | mg/Kg | | | 03/20/23 15:04 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-7 (1-1.5)

**Lab Sample ID: 890-4288-21**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0998 | U | 0.0998 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:57 | 50 |
| **Toluene** | **2.96** | | 0.0998 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:57 | 50 |
| **Ethylbenzene** | **7.68** | | 0.0998 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:57 | 50 |
| **m-Xylene & p-Xylene** | **13.5** | | 0.200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:57 | 50 |
| **o-Xylene** | **7.26** | | 0.0998 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:57 | 50 |
| **Xylenes, Total** | **20.8** | | 0.200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:57 | 50 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *204* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 16:57* | *50* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 16:57* | *50* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **31.4** | | 0.200 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **6270** | | 249 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **606** | | 249 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 14:18 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **5660** | | 249 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 14:18 | 5 |
| OII Range Organics (Over C28-C36) | <249 | U | 249 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 14:18 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *123* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 14:18* | *5* |
| *o-Terphenyl* | *114* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 14:18* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4580** | | 49.9 | | mg/Kg | | | 03/20/23 15:42 | 10 |

## Client Sample ID: S-7 (2-2.5)

**Lab Sample ID: 890-4288-22**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:55 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:55 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:55 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:55 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:55 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 15:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 15:55* | *1* |
| *1,4-Difluorobenzene (Surr)* | *113* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 15:55* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-7 (2-2.5)

**Lab Sample ID: 890-4288-22**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 12:29 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 12:29 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 12:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *108* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 12:29* | *1* |
| *o-Terphenyl* | *94* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 12:29* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **51.7** | | 4.95 | | mg/Kg | | | 03/20/23 15:57 | 1 |

## Client Sample ID: S-7 (3-3.5)

**Lab Sample ID: 890-4288-23**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:16 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:16 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:16 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:16 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:16 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 16:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 16:16* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 16:16* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 13:35 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 13:35 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-7 (3-3.5)

**Lab Sample ID: 890-4288-23**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 13:35 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *89* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 13:35* | *1* |
| *o-Terphenyl* | *77* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 13:35* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **18.4** | | 5.01 | | mg/Kg | | | 03/20/23 16:02 | 1 |

## Client Sample ID: S-7 (4-4.5)

**Lab Sample ID: 890-4288-24**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 18:21 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 18:21 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 18:21 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 18:21 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 18:21 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 18:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 18:21* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 18:21* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 13:57 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 13:57 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 13:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *111* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 13:57* | *1* |
| *o-Terphenyl* | *96* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 13:57* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **92.1** | | 4.97 | | mg/Kg | | | 03/20/23 16:07 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-8 (1-1.5)

**Lab Sample ID: 890-4288-25**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0498 | U | 0.0498 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 18:42 | 25 |
| **Toluene** | **9.33** | | 0.398 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 11:51 | 200 |
| **Ethylbenzene** | **10.2** | | 0.398 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 11:51 | 200 |
| **m-Xylene & p-Xylene** | **26.7** | | 0.795 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 11:51 | 200 |
| **o-Xylene** | **12.9** | | 0.398 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 11:51 | 200 |
| **Xylenes, Total** | **39.6** | | 0.795 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 11:51 | 200 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *360* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 18:42* | *25* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 18:42* | *25* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **59.1** | | 0.795 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **6110** | | 250 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **1380** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 14:39 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **4730** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 14:39 | 5 |
| Oil Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 14:39 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *140* | *S1+* | *70 - 130* | *03/14/23 12:44* | *03/17/23 14:39* | *5* |
| *o-Terphenyl* | *112* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 14:39* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1360** | | 4.95 | | mg/Kg | | | 03/20/23 16:11 | 1 |

## Client Sample ID: S-8 (2-2.5)

**Lab Sample ID: 890-4288-26**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **0.0560** | | 0.0497 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 19:03 | 25 |
| **Toluene** | **9.06** | | 0.499 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:11 | 250 |
| **Ethylbenzene** | **9.18** | | 0.499 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:11 | 250 |
| **m-Xylene & p-Xylene** | **24.0** | | 0.998 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:11 | 250 |
| **o-Xylene** | **12.5** | | 0.499 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:11 | 250 |
| **Xylenes, Total** | **36.5** | | 0.998 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:11 | 250 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *357* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 19:03* | *25* |
| *1,4-Difluorobenzene (Surr)* | *95* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 19:03* | *25* |

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# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-8 (2-2.5)

**Lab Sample ID: 890-4288-26**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 54.8 | | 0.998 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 5500 | | 250 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1440 | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 15:01 | 5 |
| Diesel Range Organics (Over C10-C28) | 4060 | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 15:01 | 5 |
| OII Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 15:01 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *137* | *S1+* | *70 - 130* | *03/14/23 12:44* | *03/17/23 15:01* | *5* |
| *o-Terphenyl* | *113* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 15:01* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1170 | | 4.97 | | mg/Kg | | | 03/20/23 16:26 | 1 |

## Client Sample ID: S-8 (3-3.5)

**Lab Sample ID: 890-4288-27**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.203 | | 0.0998 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 19:23 | 50 |
| Toluene | 18.1 | | 0.503 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:32 | 250 |
| Ethylbenzene | 15.3 | | 0.503 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:32 | 250 |
| m-Xylene & p-Xylene | 39.9 | | 1.01 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:32 | 250 |
| o-Xylene | 20.4 | | 0.503 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:32 | 250 |
| Xylenes, Total | 60.3 | | 1.01 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:32 | 250 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *357* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 19:23* | *50* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 19:23* | *50* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 93.9 | | 1.01 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 7410 | | 250 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 2170 | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 15:21 | 5 |
| Diesel Range Organics (Over C10-C28) | 5240 | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 15:21 | 5 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-8 (3-3.5)

**Lab Sample ID: 890-4288-27**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 15:21 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *138* | *S1+* | *70 - 130* | *03/14/23 12:44* | *03/17/23 15:21* | *5* |
| *o-Terphenyl* | *108* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 15:21* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1630** | | 25.2 | | mg/Kg | | | 03/20/23 16:31 | 5 |

## Client Sample ID: S-8 (4-4.5)

**Lab Sample ID: 890-4288-28**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **0.101** | | 0.0495 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 19:44 | 25 |
| **Toluene** | **0.305** | | 0.0495 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 19:44 | 25 |
| **Ethylbenzene** | **0.274** | | 0.0495 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 19:44 | 25 |
| **m-Xylene & p-Xylene** | **1.45** | | 0.0990 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 19:44 | 25 |
| **o-Xylene** | **0.889** | | 0.0495 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 19:44 | 25 |
| **Xylenes, Total** | **2.34** | | 0.0990 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 19:44 | 25 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *167* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 19:44* | *25* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 19:44* | *25* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **3.02** | | 0.0990 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **316** | | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **71.1** | | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 16:25 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **245** | | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 16:25 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 16:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *117* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 16:25* | *1* |
| *o-Terphenyl* | *106* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 16:25* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4060** | | 24.9 | | mg/Kg | | | 03/20/23 16:36 | 5 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-9 (1-1.5)

**Lab Sample ID: 890-4288-29**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0996 | U | 0.0996 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:05 | 50 |
| **Toluene** | **1.80** | | 0.0996 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:05 | 50 |
| **Ethylbenzene** | **5.49** | | 0.0996 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:05 | 50 |
| **m-Xylene & p-Xylene** | **59.3** | **E** | 0.199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:05 | 50 |
| **o-Xylene** | **20.8** | **E** | 0.0996 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:05 | 50 |
| **Xylenes, Total** | **80.1** | **E** | 0.199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:05 | 50 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *373* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 20:05* | *50* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 20:05* | *50* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **87.4** | | 0.199 | | mg/Kg | | | 03/25/23 16:25 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **8330** | | 250 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **2650** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 15:42 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **5680** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 15:42 | 5 |
| OII Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 15:42 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *147* | *S1+* | *70 - 130* | *03/14/23 12:44* | *03/17/23 15:42* | *5* |
| *o-Terphenyl* | *123* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 15:42* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2020** | | 24.8 | | mg/Kg | | | 03/20/23 16:40 | 5 |

## Client Sample ID: S-9 (2-2.5)

**Lab Sample ID: 890-4288-30**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.497 | U | 0.497 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:25 | 250 |
| **Toluene** | **3.72** | | 0.497 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:25 | 250 |
| **Ethylbenzene** | **27.0** | | 0.497 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:25 | 250 |
| **m-Xylene & p-Xylene** | **85.7** | | 0.994 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:25 | 250 |
| **o-Xylene** | **34.3** | | 0.497 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:25 | 250 |
| **Xylenes, Total** | **120** | | 0.994 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:25 | 250 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *192* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 20:25* | *250* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 20:25* | *250* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-9 (2-2.5)

**Lab Sample ID: 890-4288-30**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **151** | | 0.994 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **7990** | | 249 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **2830** | | 249 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 17:31 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **5160** | | 249 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 17:31 | 5 |
| OII Range Organics (Over C28-C36) | <249 | U | 249 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 17:31 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *143* | *S1+* | *70 - 130* | *03/14/23 12:44* | *03/17/23 17:31* | *5* |
| *o-Terphenyl* | *115* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 17:31* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2670** | | 24.9 | | mg/Kg | | | 03/20/23 16:45 | 5 |

## Client Sample ID: S-9 (3-3.5)

**Lab Sample ID: 890-4288-31**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.499 | U | 0.499 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:46 | 250 |
| **Toluene** | **5.78** | | 0.499 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:46 | 250 |
| **Ethylbenzene** | **40.9** | | 0.499 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:46 | 250 |
| **m-Xylene & p-Xylene** | **117** | | 0.998 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:46 | 250 |
| **o-Xylene** | **46.4** | | 0.499 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:46 | 250 |
| **Xylenes, Total** | **163** | | 0.998 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 20:46 | 250 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *209* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 20:46* | *250* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 20:46* | *250* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **210** | | 0.998 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **9650** | | 250 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **3380** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 17:52 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **6270** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 17:52 | 5 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-9 (3-3.5)

**Lab Sample ID: 890-4288-31**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 17:52 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *150* | *S1+* | *70 - 130* | *03/14/23 12:44* | *03/17/23 17:52* | *5* |
| *o-Terphenyl* | *138* | *S1+* | *70 - 130* | *03/14/23 12:44* | *03/17/23 17:52* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3150** | | 25.0 | | mg/Kg | | | 03/20/23 16:50 | 5 |

## Client Sample ID: S-9 (4-4.5)

**Lab Sample ID: 890-4288-32**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0996 | U | 0.0996 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:27 | 50 |
| **Toluene** | **1.52** | | 0.0996 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:27 | 50 |
| **Ethylbenzene** | **8.59** | | 0.0996 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:27 | 50 |
| **m-Xylene & p-Xylene** | **20.1** | | 0.199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:27 | 50 |
| **o-Xylene** | **9.05** | | 0.0996 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:27 | 50 |
| **Xylenes, Total** | **29.2** | | 0.199 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:27 | 50 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *261* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 21:27* | *50* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 21:27* | *50* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **39.3** | | 0.199 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **8630** | | 250 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **2880** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 18:14 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **5750** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 18:14 | 5 |
| OII Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 18:14 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *138* | *S1+* | *70 - 130* | *03/14/23 12:44* | *03/17/23 18:14* | *5* |
| *o-Terphenyl* | *123* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 18:14* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3480** | | 25.0 | | mg/Kg | | | 03/20/23 17:05 | 5 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-10 (1-1.5)

**Lab Sample ID: 890-4288-33**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.497 | U | 0.497 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:07 | 250 |
| **Toluene** | **4.80** | | 0.497 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:07 | 250 |
| **Ethylbenzene** | **29.8** | | 0.497 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:07 | 250 |
| **m-Xylene & p-Xylene** | **85.2** | | 0.994 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:07 | 250 |
| **o-Xylene** | **34.9** | | 0.497 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:07 | 250 |
| **Xylenes, Total** | **120** | | 0.994 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 21:07 | 250 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *195* | *S1+* | *70 - 130* | *03/20/23 16:11* | *03/22/23 21:07* | *250* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 21:07* | *250* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **155** | | 0.994 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **4420** | | 250 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **1080** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 18:35 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **3340** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 18:35 | 5 |
| OII Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 18:35 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *122* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 18:35* | *5* |
| *o-Terphenyl* | *97* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 18:35* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1140** | | 4.96 | | mg/Kg | | | 03/20/23 17:09 | 1 |

## Client Sample ID: S-10 (2-2.5)

**Lab Sample ID: 890-4288-34**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.100 | U | 0.100 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 03:20 | 50 |
| **Toluene** | **5.16** | | 0.100 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 03:20 | 50 |
| **Ethylbenzene** | **14.5** | | 0.501 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:53 | 250 |
| **m-Xylene & p-Xylene** | **33.9** | | 1.00 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:53 | 250 |
| **o-Xylene** | **14.4** | | 0.501 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:53 | 250 |
| **Xylenes, Total** | **48.3** | | 1.00 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 12:53 | 250 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *412* | *S1+* | *70 - 130* | *03/20/23 16:14* | *03/23/23 03:20* | *50* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 03:20* | *50* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-10 (2-2.5)

**Lab Sample ID: 890-4288-34**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **68.0** | | 1.00 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **6110** | | 250 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **1610** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 18:57 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **4500** | | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 18:57 | 5 |
| Oil Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 18:57 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *120* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 18:57* | *5* |
| *o-Terphenyl* | *96* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 18:57* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1290** | | 5.01 | | mg/Kg | | | 03/20/23 17:24 | 1 |

## Client Sample ID: S-10 (3-3.5)

**Lab Sample ID: 890-4288-35**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0498 | U | 0.0498 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 03:40 | 25 |
| **Toluene** | **0.294** | | 0.0498 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 03:40 | 25 |
| **Ethylbenzene** | **0.720** | | 0.0498 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 03:40 | 25 |
| **m-Xylene & p-Xylene** | **2.06** | | 0.0996 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 03:40 | 25 |
| **o-Xylene** | **0.826** | | 0.0498 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 03:40 | 25 |
| **Xylenes, Total** | **2.89** | | 0.0996 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 03:40 | 25 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *144* | *S1+* | *70 - 130* | *03/20/23 16:14* | *03/23/23 03:40* | *25* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 03:40* | *25* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **3.90** | | 0.0996 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **251** | | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 19:18 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **251** | | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 19:18 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-10 (3-3.5)

**Lab Sample ID: 890-4288-35**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 19:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 19:18* | *1* |
| *o-Terphenyl* | *92* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 19:18* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1930** | | 25.2 | | mg/Kg | | | 03/20/23 17:29 | 5 |

## Client Sample ID: S-10 (4-4.5)

**Lab Sample ID: 890-4288-36**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:34 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:34 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:34 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:34 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:34 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:34 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *123* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 00:34* | *1* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 00:34* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **156** | | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 19:39 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **156** | | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 19:39 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 19:39 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 19:39* | *1* |
| *o-Terphenyl* | *94* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 19:39* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4070** | | 24.9 | | mg/Kg | | | 03/20/23 17:34 | 5 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-11 (1-1.5)

**Lab Sample ID: 890-4288-37**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:55 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:55 | 1 |
| **Ethylbenzene** | **0.00412** | | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:55 | 1 |
| **m-Xylene & p-Xylene** | **0.0104** | | 0.00399 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:55 | 1 |
| **o-Xylene** | **0.00597** | | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:55 | 1 |
| **Xylenes, Total** | **0.0164** | | 0.00399 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *141* | *S1+* | *70 - 130* | *03/20/23 16:14* | *03/23/23 00:55* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 00:55* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.0205** | | 0.00399 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **674** | | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 16:03 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **674** | | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 16:03 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 16:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *114* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 16:03* | *1* |
| *o-Terphenyl* | *102* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 16:03* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **7470** | | 50.2 | | mg/Kg | | | 03/20/23 17:38 | 10 |

## Client Sample ID: S-11 (2-2.5)

**Lab Sample ID: 890-4288-38**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:16 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:16 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:16 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:16 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:16 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *125* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 01:16* | *1* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 01:16* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-11 (2-2.5)

**Lab Sample ID: 890-4288-38**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **95.4** | | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 20:00 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **95.4** | | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 20:00 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 20:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *110* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 20:00* | *1* |
| *o-Terphenyl* | *97* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 20:00* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **846** | | 5.05 | | mg/Kg | | | 03/20/23 17:43 | 1 |

## Client Sample ID: S-11 (3-3.5)

**Lab Sample ID: 890-4288-39**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:36 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:36 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:36 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:36 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:36 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 01:36* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 01:36* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 20:21 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 20:21 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-11 (3-3.5)

**Lab Sample ID: 890-4288-39**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 20:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *108* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 20:21* | *1* |
| *o-Terphenyl* | *96* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 20:21* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **296** | | 5.04 | | mg/Kg | | | 03/20/23 17:48 | 1 |

## Client Sample ID: S-11 (4-4.5)

**Lab Sample ID: 890-4288-40**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:57 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:57 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:57 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:57 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:57 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 01:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *120* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 01:57* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 01:57* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **51.6** | | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 20:42 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **51.6** | | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 20:42 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 20:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *120* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 20:42* | *1* |
| *o-Terphenyl* | *106* | | *70 - 130* | *03/14/23 12:44* | *03/17/23 20:42* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **317** | | 4.99 | | mg/Kg | | | 03/20/23 17:53 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-12 (1-1.5)

**Lab Sample ID: 890-4288-41**

**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:18 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:18 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:18 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:18 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:18 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *112* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 02:18* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 02:18* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **75.8** | | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U F2 | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 21:10 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **75.8** | | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 21:10 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 21:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *109* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 21:10* | *1* |
| *o-Terphenyl* | *106* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 21:10* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2270** | | 24.9 | | mg/Kg | | | 03/19/23 23:06 | 5 |

## Client Sample ID: S-12 (2-2.5)

**Lab Sample ID: 890-4288-42**

**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:38 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:38 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:38 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:38 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:38 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 02:38* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 02:38* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-12 (2-2.5)

**Lab Sample ID: 890-4288-42**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 22:15 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 22:15 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 22:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *104* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 22:15* | *1* |
| *o-Terphenyl* | *106* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 22:15* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2740** | | 24.9 | | mg/Kg | | | 03/19/23 23:20 | 5 |

## Client Sample ID: S-12 (3-3.5)

**Lab Sample ID: 890-4288-43**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:59 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:59 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:59 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:59 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:59 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 02:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 02:59* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 02:59* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/22/23 16:11 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 22:36 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 22:36 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-12 (3-3.5)

**Lab Sample ID: 890-4288-43**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 22:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *87* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 22:36* | *1* |
| *o-Terphenyl* | *92* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 22:36* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **312** | | 5.00 | | mg/Kg | | | 03/19/23 23:25 | 1 |

## Client Sample ID: S-12 (4-4.5)

**Lab Sample ID: 890-4288-44**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:05 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:05 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:05 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:05 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:05 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *116* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 05:05* | *1* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 05:05* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:46 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 22:58 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 22:58 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 22:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *85* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 22:58* | *1* |
| *o-Terphenyl* | *90* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 22:58* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **323** | | 5.04 | | mg/Kg | | | 03/19/23 23:30 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-13 (1-1.5)

**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-45**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:25 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:25 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:25 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:25 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:25 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *120* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 05:25* | *1* |
| *1,4-Difluorobenzene (Surr)* | *109* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 05:25* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **167** | | 50.0 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 23:19 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **167** | | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 23:19 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 23:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *91* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 23:19* | *1* |
| *o-Terphenyl* | *98* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 23:19* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3490** | | 24.9 | | mg/Kg | | | 03/19/23 23:35 | 5 |

## Client Sample ID: S-13 (2-2.5)

**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-46**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:46 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:46 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:46 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:46 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:46 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 05:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 05:46* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 05:46* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-13 (2-2.5)

**Lab Sample ID: 890-4288-46**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **120** | | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 23:40 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **120** | | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 23:40 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 23:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 23:40* | *1* |
| *o-Terphenyl* | *89* | | *70 - 130* | *03/14/23 13:39* | *03/16/23 23:40* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4120** | | 25.2 | | mg/Kg | | | 03/19/23 23:49 | 5 |

## Client Sample ID: S-13 (3-3.5)

**Lab Sample ID: 890-4288-47**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:07 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:07 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:07 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:07 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:07 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 06:07* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 06:07* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 00:01 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 00:01 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-13 (3-3.5)

**Lab Sample ID: 890-4288-47**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 00:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 00:01* | *1* |
| *o-Terphenyl* | *98* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 00:01* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **596** | | 4.97 | | mg/Kg | | | 03/19/23 23:54 | 1 |

## Client Sample ID: S-13 (4-4.5)

**Lab Sample ID: 890-4288-48**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:27 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:27 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:27 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:27 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:27 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 06:27* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 06:27* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 00:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 00:23 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 00:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 00:23* | *1* |
| *o-Terphenyl* | *98* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 00:23* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **598** | | 5.00 | | mg/Kg | | | 03/19/23 23:59 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-14 (1-1.5)

**Lab Sample ID: 890-4288-49**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:48 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:48 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:48 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:48 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:48 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 06:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *113* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 06:48* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 06:48* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 00:43 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 00:43 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 00:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 00:43* | *1* |
| *o-Terphenyl* | *90* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 00:43* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4540** | | 25.3 | | mg/Kg | | | 03/20/23 00:04 | 5 |

## Client Sample ID: S-14 (2-2.5)

**Lab Sample ID: 890-4288-50**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:09 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:09 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:09 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:09 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:09 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 07:09* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 07:09* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-14 (2-2.5)

**Lab Sample ID: 890-4288-50**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **135** | | 50.0 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 01:05 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **135** | | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 01:05 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 01:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 01:05* | *1* |
| *o-Terphenyl* | *86* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 01:05* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3120** | | 25.0 | | mg/Kg | | | 03/20/23 00:09 | 5 |

## Client Sample ID: S-14 (3-3.5)

**Lab Sample ID: 890-4288-51**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:29 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:29 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:29 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:29 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:29 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 07:29* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 07:29* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **135** | | 50.0 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 01:48 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **135** | | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 01:48 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-14 (3-3.5)

**Lab Sample ID: 890-4288-51**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 01:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 01:48* | *1* |
| *o-Terphenyl* | *98* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 01:48* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **414** | | 4.97 | | mg/Kg | | | 03/20/23 00:13 | 1 |

## Client Sample ID: S-14 (4-4.5)

**Lab Sample ID: 890-4288-52**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:50 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:50 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:50 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:50 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:50 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 07:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 07:50* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 07:50* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 03/26/23 08:31 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 02:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 02:09 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 02:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 02:09* | *1* |
| *o-Terphenyl* | *91* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 02:09* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **515** | | 5.02 | | mg/Kg | | | 03/20/23 00:28 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-15 (1-1.5)

**Lab Sample ID: 890-4288-53**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 08:11 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 08:11 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 08:11 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 08:11 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 08:11 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 08:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 08:11* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *03/20/23 16:14* | *03/23/23 08:11* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 03/26/23 08:36 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **195** | | 50.0 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 02:31 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **195** | | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 02:31 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 02:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *89* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 02:31* | *1* |
| *o-Terphenyl* | *87* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 02:31* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **5470** | | 50.1 | | mg/Kg | | | 03/20/23 00:33 | 10 |

## Client Sample ID: S-15 (2-2.5)

**Lab Sample ID: 890-4288-54**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:29 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:29 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:29 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:29 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:29 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *81* | | *70 - 130* | *03/21/23 09:28* | *03/21/23 14:29* | *1* |
| *1,4-Difluorobenzene (Surr)* | *63* | *S1-* | *70 - 130* | *03/21/23 09:28* | *03/21/23 14:29* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-15 (2-2.5)

**Lab Sample ID: 890-4288-54**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/26/23 08:36 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 02:52 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 02:52 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 02:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *87* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 02:52* | *1* |
| *o-Terphenyl* | *77* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 02:52* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **527** | | 4.95 | | mg/Kg | | | 03/20/23 00:47 | 1 |

## Client Sample ID: S-15 (3-3.5)

**Lab Sample ID: 890-4288-55**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:49 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:49 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:49 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:49 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:49 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 14:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *70 - 130* | *03/21/23 09:28* | *03/21/23 14:49* | *1* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *03/21/23 09:28* | *03/21/23 14:49* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 03/26/23 08:36 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **52.6** | | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **52.6** | | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 03:13 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 03:13 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-15 (3-3.5)

**Lab Sample ID: 890-4288-55**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 03:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 03:13* | *1* |
| *o-Terphenyl* | *88* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 03:13* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1030** | | 5.03 | | mg/Kg | | | 03/20/23 00:52 | 1 |

## Client Sample ID: S-15 (4-4.5)

**Lab Sample ID: 890-4288-56**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 15:10 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 15:10 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 15:10 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 15:10 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 15:10 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 15:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *86* | | *70 - 130* | *03/21/23 09:28* | *03/21/23 15:10* | *1* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *03/21/23 09:28* | *03/21/23 15:10* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 03/26/23 08:36 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 03:34 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 03:34 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/14/23 13:39 | 03/17/23 03:34 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *89* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 03:34* | *1* |
| *o-Terphenyl* | *78* | | *70 - 130* | *03/14/23 13:39* | *03/17/23 03:34* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **832** | | 5.02 | | mg/Kg | | | 03/20/23 00:57 | 1 |

# Surrogate Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) | | | | | | | | | | |
| 880-25818-A-41-H MS | Matrix Spike | 86 | 112 | | | | | | | | | | |
| 880-25818-A-41-I MSD | Matrix Spike Duplicate | 107 | 88 | | | | | | | | | | |
| 880-25822-A-1-D MS | Matrix Spike | 101 | 91 | | | | | | | | | | |
| 880-25822-A-1-E MSD | Matrix Spike Duplicate | 104 | 90 | | | | | | | | | | |
| 880-26165-A-1-H MS | Matrix Spike | 127 | 103 | | | | | | | | | | |
| 880-26165-A-1-I MSD | Matrix Spike Duplicate | 129 | 101 | | | | | | | | | | |
| 890-4288-1 | S-2 (1-1.5) | 97 | 101 | | | | | | | | | | |
| 890-4288-2 | S-2 (2-2.5) | 104 | 92 | | | | | | | | | | |
| 890-4288-3 | S-2 (3-3.5) | 98 | 90 | | | | | | | | | | |
| 890-4288-4 | S-2 (4-4.5) | 97 | 87 | | | | | | | | | | |
| 890-4288-5 | S-3 (1-1.5) | 105 | 108 | | | | | | | | | | |
| 890-4288-6 | S-3 (2-2.5) | 47 S1- | 100 | | | | | | | | | | |
| 890-4288-7 | S-3 (3-3.5) | 102 | 93 | | | | | | | | | | |
| 890-4288-8 | S-3 (4-4.5) | 101 | 107 | | | | | | | | | | |
| 890-4288-9 | S-4 (1-1.5) | 100 | 105 | | | | | | | | | | |
| 890-4288-10 | S-4 (2-2.5) | 104 | 109 | | | | | | | | | | |
| 890-4288-11 | S-4 (3-3.5) | 96 | 104 | | | | | | | | | | |
| 890-4288-12 | S-4 (4-4.5) | 98 | 104 | | | | | | | | | | |
| 890-4288-13 | S-5 (1-1.5) | 100 | 103 | | | | | | | | | | |
| 890-4288-14 | S-5 (2-2.5) | 96 | 108 | | | | | | | | | | |
| 890-4288-15 | S-5 (3-3.5) | 92 | 78 | | | | | | | | | | |
| 890-4288-16 | S-5 (4-4.5) | 103 | 79 | | | | | | | | | | |
| 890-4288-17 | S-6 (1-1.5) | 100 | 83 | | | | | | | | | | |
| 890-4288-18 | S-6 (2-2.5) | 92 | 89 | | | | | | | | | | |
| 890-4288-19 | S-6 (3-3.5) | 95 | 105 | | | | | | | | | | |
| 890-4288-20 | S-6 (4-4.5) | 101 | 107 | | | | | | | | | | |
| 890-4288-21 | S-7 (1-1.5) | 204 S1+ | 94 | | | | | | | | | | |
| 890-4288-22 | S-7 (2-2.5) | 103 | 113 | | | | | | | | | | |
| 890-4288-23 | S-7 (3-3.5) | 114 | 98 | | | | | | | | | | |
| 890-4288-24 | S-7 (4-4.5) | 107 | 91 | | | | | | | | | | |
| 890-4288-25 | S-8 (1-1.5) | 360 S1+ | 97 | | | | | | | | | | |
| 890-4288-26 | S-8 (2-2.5) | 357 S1+ | 95 | | | | | | | | | | |
| 890-4288-27 | S-8 (3-3.5) | 357 S1+ | 92 | | | | | | | | | | |
| 890-4288-28 | S-8 (4-4.5) | 167 S1+ | 104 | | | | | | | | | | |
| 890-4288-29 | S-9 (1-1.5) | 373 S1+ | 86 | | | | | | | | | | |
| 890-4288-30 | S-9 (2-2.5) | 192 S1+ | 93 | | | | | | | | | | |
| 890-4288-31 | S-9 (3-3.5) | 209 S1+ | 92 | | | | | | | | | | |
| 890-4288-32 | S-9 (4-4.5) | 261 S1+ | 90 | | | | | | | | | | |
| 890-4288-33 | S-10 (1-1.5) | 195 S1+ | 93 | | | | | | | | | | |
| 890-4288-34 | S-10 (2-2.5) | 412 S1+ | 91 | | | | | | | | | | |
| 890-4288-35 | S-10 (3-3.5) | 144 S1+ | 99 | | | | | | | | | | |
| 890-4288-36 | S-10 (4-4.5) | 123 | 89 | | | | | | | | | | |
| 890-4288-36 MS | S-10 (4-4.5) | 119 | 96 | | | | | | | | | | |
| 890-4288-36 MSD | S-10 (4-4.5) | 123 | 93 | | | | | | | | | | |
| 890-4288-37 | S-11 (1-1.5) | 141 S1+ | 101 | | | | | | | | | | |
| 890-4288-38 | S-11 (2-2.5) | 125 | 97 | | | | | | | | | | |
| 890-4288-39 | S-11 (3-3.5) | 107 | 100 | | | | | | | | | | |
| 890-4288-40 | S-11 (4-4.5) | 120 | 101 | | | | | | | | | | |
| 890-4288-41 | S-12 (1-1.5) | 112 | 100 | | | | | | | | | | |

# Surrogate Summary

Client: NT Global
Job ID: 890-4288-1
Project/Site: Diamondback 24-25 CTB
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) | | | | | | | | |
| 890-4288-42 | S-12 (2-2.5) | 114 | 102 | | | | | | | | |
| 890-4288-43 | S-12 (3-3.5) | 108 | 100 | | | | | | | | |
| 890-4288-44 | S-12 (4-4.5) | 116 | 89 | | | | | | | | |
| 890-4288-45 | S-13 (1-1.5) | 120 | 109 | | | | | | | | |
| 890-4288-46 | S-13 (2-2.5) | 115 | 104 | | | | | | | | |
| 890-4288-47 | S-13 (3-3.5) | 110 | 101 | | | | | | | | |
| 890-4288-48 | S-13 (4-4.5) | 109 | 99 | | | | | | | | |
| 890-4288-49 | S-14 (1-1.5) | 113 | 104 | | | | | | | | |
| 890-4288-50 | S-14 (2-2.5) | 114 | 104 | | | | | | | | |
| 890-4288-51 | S-14 (3-3.5) | 107 | 102 | | | | | | | | |
| 890-4288-52 | S-14 (4-4.5) | 110 | 98 | | | | | | | | |
| 890-4288-53 | S-15 (1-1.5) | 107 | 101 | | | | | | | | |
| 890-4288-54 | S-15 (2-2.5) | 81 | 63 S1- | | | | | | | | |
| 890-4288-55 | S-15 (3-3.5) | 90 | 92 | | | | | | | | |
| 890-4288-56 | S-15 (4-4.5) | 86 | 88 | | | | | | | | |
| 890-4288-A-14-C MS | 890-4288-A-14-C MS | 103 | 96 | | | | | | | | |
| 890-4288-A-14-D MSD | 890-4288-A-14-D MSD | 118 | 108 | | | | | | | | |
| 890-4305-A-1-E MS | Matrix Spike | 113 | 113 | | | | | | | | |
| 890-4305-A-1-F MSD | Matrix Spike Duplicate | 114 | 110 | | | | | | | | |
| LCS 880-49035/1-A | Lab Control Sample | 105 | 97 | | | | | | | | |
| LCS 880-49036/1-A | Lab Control Sample | 104 | 90 | | | | | | | | |
| LCS 880-49038/1-A | Lab Control Sample | 105 | 94 | | | | | | | | |
| LCS 880-49091/1-A | Lab Control Sample | 86 | 107 | | | | | | | | |
| LCS 880-49192/1-A | Lab Control Sample | 129 | 101 | | | | | | | | |
| LCS 880-49216/1-A | Lab Control Sample | 102 | 108 | | | | | | | | |
| LCSD 880-49035/2-A | Lab Control Sample Dup | 103 | 97 | | | | | | | | |
| LCSD 880-49036/2-A | Lab Control Sample Dup | 100 | 95 | | | | | | | | |
| LCSD 880-49038/2-A | Lab Control Sample Dup | 107 | 93 | | | | | | | | |
| LCSD 880-49091/2-A | Lab Control Sample Dup | 91 | 93 | | | | | | | | |
| LCSD 880-49192/2-A | Lab Control Sample Dup | 132 S1+ | 87 | | | | | | | | |
| LCSD 880-49216/2-A | Lab Control Sample Dup | 102 | 108 | | | | | | | | |
| MB 880-48857/5-A | Method Blank | 96 | 78 | | | | | | | | |
| MB 880-49035/5-A | Method Blank | 92 | 86 | | | | | | | | |
| MB 880-49036/5-A | Method Blank | 92 | 79 | | | | | | | | |
| MB 880-49038/5-A | Method Blank | 96 | 87 | | | | | | | | |
| MB 880-49091/5-A | Method Blank | 72 | 75 | | | | | | | | |
| MB 880-49192/5-A | Method Blank | 84 | 86 | | | | | | | | |
| MB 880-49216/5-A | Method Blank | 99 | 101 | | | | | | | | |
| MB 880-49328/5-A | Method Blank | 78 | 79 | | | | | | | | |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) | | | | | | | | |
| 890-4288-1 | S-2 (1-1.5) | 87 | 88 | | | | | | | | |

# Surrogate Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) | | | | | | | | |
| 890-4288-1 MS | S-2 (1-1.5) | 127 | 104 | | | | | | | | |
| 890-4288-1 MSD | S-2 (1-1.5) | 128 | 106 | | | | | | | | |
| 890-4288-2 | S-2 (2-2.5) | 77 | 71 | | | | | | | | |
| 890-4288-3 | S-2 (3-3.5) | 89 | 88 | | | | | | | | |
| 890-4288-4 | S-2 (4-4.5) | 105 | 99 | | | | | | | | |
| 890-4288-5 | S-3 (1-1.5) | 80 | 80 | | | | | | | | |
| 890-4288-6 | S-3 (2-2.5) | 91 | 85 | | | | | | | | |
| 890-4288-7 | S-3 (3-3.5) | 85 | 88 | | | | | | | | |
| 890-4288-8 | S-3 (4-4.5) | 100 | 102 | | | | | | | | |
| 890-4288-9 | S-4 (1-1.5) | 92 | 89 | | | | | | | | |
| 890-4288-10 | S-4 (2-2.5) | 95 | 96 | | | | | | | | |
| 890-4288-11 | S-4 (3-3.5) | 82 | 80 | | | | | | | | |
| 890-4288-12 | S-4 (4-4.5) | 102 | 95 | | | | | | | | |
| 890-4288-13 | S-5 (1-1.5) | 95 | 92 | | | | | | | | |
| 890-4288-14 | S-5 (2-2.5) | 101 | 96 | | | | | | | | |
| 890-4288-15 | S-5 (3-3.5) | 81 | 80 | | | | | | | | |
| 890-4288-16 | S-5 (4-4.5) | 101 | 91 | | | | | | | | |
| 890-4288-17 | S-6 (1-1.5) | 101 | 95 | | | | | | | | |
| 890-4288-18 | S-6 (2-2.5) | 103 | 99 | | | | | | | | |
| 890-4288-19 | S-6 (3-3.5) | 87 | 81 | | | | | | | | |
| 890-4288-20 | S-6 (4-4.5) | 99 | 87 | | | | | | | | |
| 890-4288-21 | S-7 (1-1.5) | 123 | 114 | | | | | | | | |
| 890-4288-22 | S-7 (2-2.5) | 108 | 94 | | | | | | | | |
| 890-4288-22 MS | S-7 (2-2.5) | 111 | 86 | | | | | | | | |
| 890-4288-22 MSD | S-7 (2-2.5) | 122 | 96 | | | | | | | | |
| 890-4288-23 | S-7 (3-3.5) | 89 | 77 | | | | | | | | |
| 890-4288-24 | S-7 (4-4.5) | 111 | 96 | | | | | | | | |
| 890-4288-25 | S-8 (1-1.5) | 140 S1+ | 112 | | | | | | | | |
| 890-4288-26 | S-8 (2-2.5) | 137 S1+ | 113 | | | | | | | | |
| 890-4288-27 | S-8 (3-3.5) | 138 S1+ | 108 | | | | | | | | |
| 890-4288-28 | S-8 (4-4.5) | 117 | 106 | | | | | | | | |
| 890-4288-29 | S-9 (1-1.5) | 147 S1+ | 123 | | | | | | | | |
| 890-4288-30 | S-9 (2-2.5) | 143 S1+ | 115 | | | | | | | | |
| 890-4288-31 | S-9 (3-3.5) | 150 S1+ | 138 S1+ | | | | | | | | |
| 890-4288-32 | S-9 (4-4.5) | 138 S1+ | 123 | | | | | | | | |
| 890-4288-33 | S-10 (1-1.5) | 122 | 97 | | | | | | | | |
| 890-4288-34 | S-10 (2-2.5) | 120 | 96 | | | | | | | | |
| 890-4288-35 | S-10 (3-3.5) | 106 | 92 | | | | | | | | |
| 890-4288-36 | S-10 (4-4.5) | 106 | 94 | | | | | | | | |
| 890-4288-37 | S-11 (1-1.5) | 114 | 102 | | | | | | | | |
| 890-4288-38 | S-11 (2-2.5) | 110 | 97 | | | | | | | | |
| 890-4288-39 | S-11 (3-3.5) | 108 | 96 | | | | | | | | |
| 890-4288-40 | S-11 (4-4.5) | 120 | 106 | | | | | | | | |
| 890-4288-41 | S-12 (1-1.5) | 109 | 106 | | | | | | | | |
| 890-4288-41 MS | S-12 (1-1.5) | 78 | 80 | | | | | | | | |
| 890-4288-41 MSD | S-12 (1-1.5) | 81 | 84 | | | | | | | | |
| 890-4288-42 | S-12 (2-2.5) | 104 | 106 | | | | | | | | |
| 890-4288-43 | S-12 (3-3.5) | 87 | 92 | | | | | | | | |
| 890-4288-44 | S-12 (4-4.5) | 85 | 90 | | | | | | | | |
| 890-4288-45 | S-13 (1-1.5) | 91 | 98 | | | | | | | | |

# Surrogate Summary

Client: NT Global
Job ID: 890-4288-1
Project/Site: Diamondback 24-25 CTB
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1CO1 | OTPH1 | | | | | | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | | | | | | | |
| 890-4288-46 | S-13 (2-2.5) | 100 | 89 | | | | | | | | | | |
| 890-4288-47 | S-13 (3-3.5) | 103 | 98 | | | | | | | | | | |
| 890-4288-48 | S-13 (4-4.5) | 105 | 98 | | | | | | | | | | |
| 890-4288-49 | S-14 (1-1.5) | 103 | 90 | | | | | | | | | | |
| 890-4288-50 | S-14 (2-2.5) | 98 | 86 | | | | | | | | | | |
| 890-4288-51 | S-14 (3-3.5) | 106 | 98 | | | | | | | | | | |
| 890-4288-52 | S-14 (4-4.5) | 102 | 91 | | | | | | | | | | |
| 890-4288-53 | S-15 (1-1.5) | 89 | 87 | | | | | | | | | | |
| 890-4288-54 | S-15 (2-2.5) | 87 | 77 | | | | | | | | | | |
| 890-4288-55 | S-15 (3-3.5) | 100 | 88 | | | | | | | | | | |
| 890-4288-56 | S-15 (4-4.5) | 89 | 78 | | | | | | | | | | |
| LCS 880-48600/2-A | Lab Control Sample | 104 | 115 | | | | | | | | | | |
| LCS 880-48610/2-A | Lab Control Sample | 106 | 95 | | | | | | | | | | |
| LCS 880-48613/2-A | Lab Control Sample | 104 | 104 | | | | | | | | | | |
| LCSD 880-48600/3-A | Lab Control Sample Dup | 103 | 114 | | | | | | | | | | |
| LCSD 880-48610/3-A | Lab Control Sample Dup | 117 | 104 | | | | | | | | | | |
| LCSD 880-48613/3-A | Lab Control Sample Dup | 101 | 109 | | | | | | | | | | |
| MB 880-48600/1-A | Method Blank | 101 | 106 | | | | | | | | | | |
| MB 880-48610/1-A | Method Blank | 117 | 111 | | | | | | | | | | |
| MB 880-48613/1-A | Method Blank | 108 | 98 | | | | | | | | | | |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-48857/5-A**
**Matrix: Solid**
**Analysis Batch: 49106**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48857**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/17/23 16:23 | 03/21/23 13:53 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/17/23 16:23 | 03/21/23 13:53 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/17/23 16:23 | 03/21/23 13:53 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/17/23 16:23 | 03/21/23 13:53 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/17/23 16:23 | 03/21/23 13:53 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/17/23 16:23 | 03/21/23 13:53 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *03/17/23 16:23* | *03/21/23 13:53* | *1* |
| *1,4-Difluorobenzene (Surr)* | *78* | | *70 - 130* | *03/17/23 16:23* | *03/21/23 13:53* | *1* |

**Lab Sample ID: MB 880-49035/5-A**
**Matrix: Solid**
**Analysis Batch: 49106**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49035**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 01:16 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 01:16 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 01:16 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 01:16 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 01:16 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/20/23 16:09 | 03/22/23 01:16 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 01:16* | *1* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* | *03/20/23 16:09* | *03/22/23 01:16* | *1* |

**Lab Sample ID: LCS 880-49035/1-A**
**Matrix: Solid**
**Analysis Batch: 49106**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49035**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09185 | | mg/Kg | | 92 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.09199 | | mg/Kg | | 92 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.08930 | | mg/Kg | | 89 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.1847 | | mg/Kg | | 92 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.09514 | | mg/Kg | | 95 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49035/2-A**
**Matrix: Solid**
**Analysis Batch: 49106**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49035**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09074 | | mg/Kg | | 91 | 70 - 130 | 1 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCSD 880-49035/2-A**
**Matrix: Solid**
**Analysis Batch: 49106**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49035**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.09224 | | mg/Kg | | 92 | 70 - 130 | 0 | 35 |
| Ethylbenzene | | | 0.100 | 0.08860 | | mg/Kg | | 89 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1834 | | mg/Kg | | 92 | 70 - 130 | 1 | 35 |
| o-Xylene | | | 0.100 | 0.09424 | | mg/Kg | | 94 | 70 - 130 | 1 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* |

**Lab Sample ID: 880-25822-A-1-D MS**
**Matrix: Solid**
**Analysis Batch: 49106**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 49035**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.100 | 0.08279 | | mg/Kg | | 82 | 70 - 130 |
| Toluene | <0.00201 | U | 0.100 | 0.07571 | | mg/Kg | | 75 | 70 - 130 |
| Ethylbenzene | <0.00201 | U F1 | 0.100 | 0.06223 | F1 | mg/Kg | | 62 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U F1 | 0.201 | 0.1254 | F1 | mg/Kg | | 62 | 70 - 130 |
| o-Xylene | <0.00201 | U F1 | 0.100 | 0.06416 | F1 | mg/Kg | | 64 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* |

**Lab Sample ID: 880-25822-A-1-E MSD**
**Matrix: Solid**
**Analysis Batch: 49106**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 49035**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.0990 | 0.07787 | | mg/Kg | | 79 | 70 - 130 | 6 | 35 |
| Toluene | <0.00201 | U | 0.0990 | 0.07060 | | mg/Kg | | 71 | 70 - 130 | 7 | 35 |
| Ethylbenzene | <0.00201 | U F1 | 0.0990 | 0.05772 | F1 | mg/Kg | | 58 | 70 - 130 | 8 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U F1 | 0.198 | 0.1162 | F1 | mg/Kg | | 59 | 70 - 130 | 8 | 35 |
| o-Xylene | <0.00201 | U F1 | 0.0990 | 0.05882 | F1 | mg/Kg | | 59 | 70 - 130 | 9 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* |

**Lab Sample ID: MB 880-49036/5-A**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49036**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:08 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:08 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:08 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:08 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-49036/5-A**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49036**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:08 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/20/23 16:11 | 03/22/23 13:08 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 13:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *79* | | *70 - 130* | *03/20/23 16:11* | *03/22/23 13:08* | *1* |

**Lab Sample ID: LCS 880-49036/1-A**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49036**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09288 | | mg/Kg | | 93 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.09971 | | mg/Kg | | 100 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.09794 | | mg/Kg | | 98 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2017 | | mg/Kg | | 101 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.1014 | | mg/Kg | | 101 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49036/2-A**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49036**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.08874 | | mg/Kg | | 89 | 70 - 130 | 5 | 35 |
| Toluene | | | 0.100 | 0.09372 | | mg/Kg | | 94 | 70 - 130 | 6 | 35 |
| Ethylbenzene | | | 0.100 | 0.09258 | | mg/Kg | | 93 | 70 - 130 | 6 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1916 | | mg/Kg | | 96 | 70 - 130 | 5 | 35 |
| o-Xylene | | | 0.100 | 0.09679 | | mg/Kg | | 97 | 70 - 130 | 5 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *95* | | *70 - 130* |

**Lab Sample ID: 890-4288-A-14-C MS**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: 890-4288-A-14-C MS**
**Prep Type: Total/NA**
**Prep Batch: 49036**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U F1 | 0.100 | 0.08483 | | mg/Kg | | 84 | 70 - 130 | | |
| Toluene | <0.00201 | U | 0.100 | 0.08861 | | mg/Kg | | 88 | 70 - 130 | | |
| Ethylbenzene | <0.00201 | U | 0.100 | 0.09077 | | mg/Kg | | 90 | 70 - 130 | | |
| m-Xylene & p-Xylene | <0.00402 | U | 0.201 | 0.1846 | | mg/Kg | | 92 | 70 - 130 | | |
| o-Xylene | <0.00201 | U | 0.100 | 0.09250 | | mg/Kg | | 92 | 70 - 130 | | |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 890-4288-A-14-C MS**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: 890-4288-A-14-C MS**
**Prep Type: Total/NA**
**Prep Batch: 49036**

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 96 | | 70 - 130 |

**Lab Sample ID: 890-4288-A-14-D MSD**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: 890-4288-A-14-D MSD**
**Prep Type: Total/NA**
**Prep Batch: 49036**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U F1 | 0.0990 | 0.06910 | F1 | mg/Kg | | 69 | 70 - 130 | 20 | 35 |
| Toluene | <0.00201 | U | 0.0990 | 0.08228 | | mg/Kg | | 83 | 70 - 130 | 7 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0990 | 0.1005 | | mg/Kg | | 101 | 70 - 130 | 10 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.198 | 0.2113 | | mg/Kg | | 107 | 70 - 130 | 13 | 35 |
| o-Xylene | <0.00201 | U | 0.0990 | 0.1063 | | mg/Kg | | 107 | 70 - 130 | 14 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 118 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 108 | | 70 - 130 |

**Lab Sample ID: MB 880-49038/5-A**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49038**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:12 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:12 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:12 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:12 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:12 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/20/23 16:14 | 03/23/23 00:12 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 | 03/20/23 16:14 | 03/23/23 00:12 | 1 |
| 1,4-Difluorobenzene (Surr) | 87 | | 70 - 130 | 03/20/23 16:14 | 03/23/23 00:12 | 1 |

**Lab Sample ID: LCS 880-49038/1-A**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49038**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08193 | | mg/Kg | | 82 | 70 - 130 |
| Toluene | 0.100 | 0.08652 | | mg/Kg | | 87 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.08567 | | mg/Kg | | 86 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1808 | | mg/Kg | | 90 | 70 - 130 |
| o-Xylene | 0.100 | 0.09409 | | mg/Kg | | 94 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCS 880-49038/1-A**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49038**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1,4-Difluorobenzene (Surr) | 94 | | 70 - 130 |

**Lab Sample ID: LCSD 880-49038/2-A**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49038**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.08026 | | mg/Kg | | 80 | 70 - 130 | 2 | 35 |
| Toluene | | | 0.100 | 0.08640 | | mg/Kg | | 86 | 70 - 130 | 0 | 35 |
| Ethylbenzene | | | 0.100 | 0.08518 | | mg/Kg | | 85 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1792 | | mg/Kg | | 90 | 70 - 130 | 1 | 35 |
| o-Xylene | | | 0.100 | 0.09288 | | mg/Kg | | 93 | 70 - 130 | 1 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 107 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 93 | | 70 - 130 |

**Lab Sample ID: 890-4288-36 MS**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: S-10 (4-4.5)**
**Prep Type: Total/NA**
**Prep Batch: 49038**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.0998 | 0.07638 | | mg/Kg | | 77 | 70 - 130 | | |
| Toluene | <0.00201 | U | 0.0998 | 0.07729 | | mg/Kg | | 77 | 70 - 130 | | |
| Ethylbenzene | <0.00201 | U | 0.0998 | 0.07522 | | mg/Kg | | 75 | 70 - 130 | | |
| m-Xylene & p-Xylene | <0.00402 | U | 0.200 | 0.1633 | | mg/Kg | | 81 | 70 - 130 | | |
| o-Xylene | <0.00201 | U | 0.0998 | 0.08508 | | mg/Kg | | 85 | 70 - 130 | | |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 119 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 96 | | 70 - 130 |

**Lab Sample ID: 890-4288-36 MSD**
**Matrix: Solid**
**Analysis Batch: 49162**

**Client Sample ID: S-10 (4-4.5)**
**Prep Type: Total/NA**
**Prep Batch: 49038**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.0994 | 0.08027 | | mg/Kg | | 81 | 70 - 130 | 5 | 35 |
| Toluene | <0.00201 | U | 0.0994 | 0.08850 | | mg/Kg | | 89 | 70 - 130 | 14 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0994 | 0.08681 | | mg/Kg | | 87 | 70 - 130 | 14 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.199 | 0.1884 | | mg/Kg | | 94 | 70 - 130 | 14 | 35 |
| o-Xylene | <0.00201 | U | 0.0994 | 0.09733 | | mg/Kg | | 98 | 70 - 130 | 13 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 123 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 93 | | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-49091/5-A**
**Matrix: Solid**
**Analysis Batch: 49077**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49091**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 12:45 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 12:45 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 12:45 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 12:45 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 12:45 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/21/23 09:28 | 03/21/23 12:45 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *72* | | *70 - 130* | *03/21/23 09:28* | *03/21/23 12:45* | *1* |
| *1,4-Difluorobenzene (Surr)* | *75* | | *70 - 130* | *03/21/23 09:28* | *03/21/23 12:45* | *1* |

**Lab Sample ID: LCS 880-49091/1-A**
**Matrix: Solid**
**Analysis Batch: 49077**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49091**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1194 | | mg/Kg | | 119 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.1068 | | mg/Kg | | 107 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.09680 | | mg/Kg | | 97 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2037 | | mg/Kg | | 102 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.09948 | | mg/Kg | | 99 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *86* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49091/2-A**
**Matrix: Solid**
**Analysis Batch: 49077**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49091**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09058 | | mg/Kg | | 91 | 70 - 130 | 27 | 35 |
| Toluene | | | 0.100 | 0.09286 | | mg/Kg | | 93 | 70 - 130 | 14 | 35 |
| Ethylbenzene | | | 0.100 | 0.08533 | | mg/Kg | | 85 | 70 - 130 | 13 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1771 | | mg/Kg | | 89 | 70 - 130 | 14 | 35 |
| o-Xylene | | | 0.100 | 0.08571 | | mg/Kg | | 86 | 70 - 130 | 15 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* |

**Lab Sample ID: 880-25818-A-41-H MS**
**Matrix: Solid**
**Analysis Batch: 49077**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 49091**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0998 | 0.1144 | | mg/Kg | | 115 | 70 - 130 | | |
| Toluene | <0.00200 | U | 0.0998 | 0.09361 | | mg/Kg | | 94 | 70 - 130 | | |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 880-25818-A-41-H MS** — **Client Sample ID: Matrix Spike**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49077** — **Prep Batch: 49091**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00200 | U | 0.0998 | 0.08188 | | mg/Kg | | 82 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.200 | 0.1678 | | mg/Kg | | 84 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.0998 | 0.08195 | | mg/Kg | | 82 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *86* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *112* | | *70 - 130* |

**Lab Sample ID: 880-25818-A-41-I MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49077** — **Prep Batch: 49091**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0990 | 0.09845 | | mg/Kg | | 99 | 70 - 130 | 15 | 35 |
| Toluene | <0.00200 | U | 0.0990 | 0.09627 | | mg/Kg | | 97 | 70 - 130 | 3 | 35 |
| Ethylbenzene | <0.00200 | U | 0.0990 | 0.09632 | | mg/Kg | | 97 | 70 - 130 | 16 | 35 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.198 | 0.2106 | | mg/Kg | | 106 | 70 - 130 | 23 | 35 |
| o-Xylene | <0.00200 | U | 0.0990 | 0.1022 | | mg/Kg | | 103 | 70 - 130 | 22 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* |

**Lab Sample ID: MB 880-49192/5-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49344** — **Prep Batch: 49192**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 06:00 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 06:00 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 06:00 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 06:00 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 06:00 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/22/23 11:22 | 03/24/23 06:00 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *84* | | *70 - 130* | *03/22/23 11:22* | *03/24/23 06:00* | *1* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* | *03/22/23 11:22* | *03/24/23 06:00* | *1* |

**Lab Sample ID: LCS 880-49192/1-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49344** — **Prep Batch: 49192**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1011 | | mg/Kg | | 101 | 70 - 130 |
| Toluene | 0.100 | 0.09904 | | mg/Kg | | 99 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1097 | | mg/Kg | | 110 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2422 | | mg/Kg | | 121 | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCS 880-49192/1-A**
**Matrix: Solid**
**Analysis Batch: 49344**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49192**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | | | 0.100 | 0.1268 | | mg/Kg | | 127 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *129* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49192/2-A**
**Matrix: Solid**
**Analysis Batch: 49344**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49192**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.08464 | | mg/Kg | | 85 | 70 - 130 | 18 | 35 |
| Toluene | | | 0.100 | 0.09054 | | mg/Kg | | 91 | 70 - 130 | 9 | 35 |
| Ethylbenzene | | | 0.100 | 0.1013 | | mg/Kg | | 101 | 70 - 130 | 8 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2186 | | mg/Kg | | 109 | 70 - 130 | 10 | 35 |
| o-Xylene | | | 0.100 | 0.1144 | | mg/Kg | | 114 | 70 - 130 | 10 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *132* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* |

**Lab Sample ID: 880-26165-A-1-H MS**
**Matrix: Solid**
**Analysis Batch: 49344**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 49192**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.0998 | 0.07995 | | mg/Kg | | 80 | 70 - 130 | | |
| Toluene | <0.00201 | U | 0.0998 | 0.08505 | | mg/Kg | | 85 | 70 - 130 | | |
| Ethylbenzene | <0.00201 | U | 0.0998 | 0.09468 | | mg/Kg | | 95 | 70 - 130 | | |
| m-Xylene & p-Xylene | <0.00402 | U | 0.200 | 0.2072 | | mg/Kg | | 104 | 70 - 130 | | |
| o-Xylene | <0.00201 | U | 0.0998 | 0.1061 | | mg/Kg | | 106 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *127* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: 880-26165-A-1-I MSD**
**Matrix: Solid**
**Analysis Batch: 49344**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 49192**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.0990 | 0.07931 | | mg/Kg | | 80 | 70 - 130 | 1 | 35 |
| Toluene | <0.00201 | U | 0.0990 | 0.08058 | | mg/Kg | | 81 | 70 - 130 | 5 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0990 | 0.09423 | | mg/Kg | | 95 | 70 - 130 | 0 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.198 | 0.2060 | | mg/Kg | | 104 | 70 - 130 | 1 | 35 |
| o-Xylene | <0.00201 | U | 0.0990 | 0.1055 | | mg/Kg | | 107 | 70 - 130 | 1 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 880-26165-A-1-I MSD**
**Matrix: Solid**
**Analysis Batch: 49344**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 49192**

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *129* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* |

**Lab Sample ID: MB 880-49216/5-A**
**Matrix: Solid**
**Analysis Batch: 49289**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49216**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 12:26 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 12:26 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 12:26 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 12:26 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 12:26 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/22/23 13:23 | 03/23/23 12:26 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *70 - 130* | *03/22/23 13:23* | *03/23/23 12:26* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *03/22/23 13:23* | *03/23/23 12:26* | *1* |

**Lab Sample ID: LCS 880-49216/1-A**
**Matrix: Solid**
**Analysis Batch: 49289**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49216**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09819 | | mg/Kg | | 98 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.09454 | | mg/Kg | | 95 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.08635 | | mg/Kg | | 86 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.1710 | | mg/Kg | | 85 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.08571 | | mg/Kg | | 86 | 70 - 130 | | |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49216/2-A**
**Matrix: Solid**
**Analysis Batch: 49289**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49216**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09773 | | mg/Kg | | 98 | 70 - 130 | 0 | 35 |
| Toluene | | | 0.100 | 0.09731 | | mg/Kg | | 97 | 70 - 130 | 3 | 35 |
| Ethylbenzene | | | 0.100 | 0.08515 | | mg/Kg | | 85 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1677 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |
| o-Xylene | | | 0.100 | 0.08493 | | mg/Kg | | 85 | 70 - 130 | 1 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCSD 880-49216/2-A**
**Matrix: Solid**
**Analysis Batch: 49289**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49216**

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1,4-Difluorobenzene (Surr) | 108 | | 70 - 130 |

**Lab Sample ID: 890-4305-A-1-E MS**
**Matrix: Solid**
**Analysis Batch: 49289**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 49216**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0998 | 0.1082 | | mg/Kg | | 108 | 70 - 130 |
| Toluene | <0.00200 | U | 0.0998 | 0.1073 | | mg/Kg | | 108 | 70 - 130 |
| Ethylbenzene | <0.00200 | U | 0.0998 | 0.09314 | | mg/Kg | | 93 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1848 | | mg/Kg | | 93 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.0998 | 0.09348 | | mg/Kg | | 94 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 113 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 |

**Lab Sample ID: 890-4305-A-1-F MSD**
**Matrix: Solid**
**Analysis Batch: 49289**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 49216**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.09784 | | mg/Kg | | 97 | 70 - 130 | 10 | 35 |
| Toluene | <0.00200 | U | 0.100 | 0.09820 | | mg/Kg | | 98 | 70 - 130 | 9 | 35 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.08628 | | mg/Kg | | 86 | 70 - 130 | 8 | 35 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.201 | 0.1710 | | mg/Kg | | 85 | 70 - 130 | 8 | 35 |
| o-Xylene | <0.00200 | U | 0.100 | 0.08590 | | mg/Kg | | 86 | 70 - 130 | 8 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 114 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

**Lab Sample ID: MB 880-49328/5-A**
**Matrix: Solid**
**Analysis Batch: 49344**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49328**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/23/23 13:13 | 03/23/23 19:27 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/23/23 13:13 | 03/23/23 19:27 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/23/23 13:13 | 03/23/23 19:27 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/23/23 13:13 | 03/23/23 19:27 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/23/23 13:13 | 03/23/23 19:27 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/23/23 13:13 | 03/23/23 19:27 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 78 | | 70 - 130 | 03/23/23 13:13 | 03/23/23 19:27 | 1 |
| 1,4-Difluorobenzene (Surr) | 79 | | 70 - 130 | 03/23/23 13:13 | 03/23/23 19:27 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-48600/1-A**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48600**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 08:28 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 08:28 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:25 | 03/17/23 08:28 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 08:28* | *1* |
| *o-Terphenyl* | *106* | | *70 - 130* | *03/14/23 12:25* | *03/17/23 08:28* | *1* |

**Lab Sample ID: LCS 880-48600/2-A**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 48600**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 872.2 | | mg/Kg | | 87 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 951.3 | | mg/Kg | | 95 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *104* | | *70 - 130* |
| *o-Terphenyl* | *115* | | *70 - 130* |

**Lab Sample ID: LCSD 880-48600/3-A**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 48600**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 846.6 | | mg/Kg | | 85 | 70 - 130 | 3 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 944.7 | | mg/Kg | | 94 | 70 - 130 | 1 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* |
| *o-Terphenyl* | *114* | | *70 - 130* |

**Lab Sample ID: 890-4288-1 MS**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: S-2 (1-1.5)**
**Prep Type: Total/NA**
**Prep Batch: 48600**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U F2 | 998 | 837.9 | | mg/Kg | | 81 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 998 | 985.4 | | mg/Kg | | 99 | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 890-4288-1 MS**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: S-2 (1-1.5)**
**Prep Type: Total/NA**
**Prep Batch: 48600**

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 127 | | 70 - 130 |
| o-Terphenyl | 104 | | 70 - 130 |

**Lab Sample ID: 890-4288-1 MSD**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: S-2 (1-1.5)**
**Prep Type: Total/NA**
**Prep Batch: 48600**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U F2 | 999 | 1153 | F2 | mg/Kg | | 112 | 70 - 130 | 32 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 1012 | | mg/Kg | | 101 | 70 - 130 | 3 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 128 | | 70 - 130 |
| o-Terphenyl | 106 | | 70 - 130 |

**Lab Sample ID: MB 880-48610/1-A**
**Matrix: Solid**
**Analysis Batch: 48810**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48610**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 09:49 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 09:49 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 12:44 | 03/17/23 09:49 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 117 | | 70 - 130 | 03/14/23 12:44 | 03/17/23 09:49 | 1 |
| o-Terphenyl | 111 | | 70 - 130 | 03/14/23 12:44 | 03/17/23 09:49 | 1 |

**Lab Sample ID: LCS 880-48610/2-A**
**Matrix: Solid**
**Analysis Batch: 48810**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 48610**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 906.5 | | mg/Kg | | 91 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 949.4 | | mg/Kg | | 95 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 106 | | 70 - 130 |
| o-Terphenyl | 95 | | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCSD 880-48610/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 48810** — **Prep Batch: 48610**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 1041 | | mg/Kg | | 104 | 70 - 130 | 14 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1060 | | mg/Kg | | 106 | 70 - 130 | 11 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *117* | | *70 - 130* |
| *o-Terphenyl* | *104* | | *70 - 130* |

**Lab Sample ID: 890-4288-22 MS** — **Client Sample ID: S-7 (2-2.5)**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 48810** — **Prep Batch: 48610**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 1034 | | mg/Kg | | 104 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 998 | 789.5 | | mg/Kg | | 74 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *111* | | *70 - 130* |
| *o-Terphenyl* | *86* | | *70 - 130* |

**Lab Sample ID: 890-4288-22 MSD** — **Client Sample ID: S-7 (2-2.5)**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 48810** — **Prep Batch: 48610**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 999 | 1124 | | mg/Kg | | 113 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 878.5 | | mg/Kg | | 83 | 70 - 130 | 11 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *122* | | *70 - 130* |
| *o-Terphenyl* | *96* | | *70 - 130* |

**Lab Sample ID: MB 880-48613/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 48703** — **Prep Batch: 48613**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 20:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 20:06 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/14/23 13:39 | 03/16/23 20:06 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: MB 880-48613/1-A**
**Matrix: Solid**
**Analysis Batch: 48703**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48613**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 108 | | 70 - 130 | 03/14/23 13:39 | 03/16/23 20:06 | 1 |
| o-Terphenyl | 98 | | 70 - 130 | 03/14/23 13:39 | 03/16/23 20:06 | 1 |

**Lab Sample ID: LCS 880-48613/2-A**
**Matrix: Solid**
**Analysis Batch: 48703**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 48613**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 903.7 | | mg/Kg | | 90 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1082 | | mg/Kg | | 108 | 70 - 130 | | |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 104 | | 70 - 130 |
| o-Terphenyl | 104 | | 70 - 130 |

**Lab Sample ID: LCSD 880-48613/3-A**
**Matrix: Solid**
**Analysis Batch: 48703**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 48613**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 1037 | | mg/Kg | | 104 | 70 - 130 | 14 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1108 | | mg/Kg | | 111 | 70 - 130 | 2 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 101 | | 70 - 130 |
| o-Terphenyl | 109 | | 70 - 130 |

**Lab Sample ID: 890-4288-41 MS**
**Matrix: Solid**
**Analysis Batch: 48703**

**Client Sample ID: S-12 (1-1.5)**
**Prep Type: Total/NA**
**Prep Batch: 48613**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U F2 | 998 | 816.0 | | mg/Kg | | 82 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | 75.8 | | 998 | 889.7 | | mg/Kg | | 82 | 70 - 130 | | |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 78 | | 70 - 130 |
| o-Terphenyl | 80 | | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 890-4288-41 MSD** — **Client Sample ID: S-12 (1-1.5)**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 48703** — **Prep Batch: 48613**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U F2 | 999 | 1076 | F2 | mg/Kg | | 108 | 70 - 130 | 27 | 20 |
| Diesel Range Organics (Over C10-C28) | 75.8 | | 999 | 935.7 | | mg/Kg | | 86 | 70 - 130 | 5 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *81* | | *70 - 130* |
| *o-Terphenyl* | *84* | | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-48620/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 49117**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/19/23 22:51 | 1 |

**Lab Sample ID: LCS 880-48620/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 49117**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 265.1 | | mg/Kg | | 106 | 90 - 110 |

**Lab Sample ID: LCSD 880-48620/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 49117**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 265.3 | | mg/Kg | | 106 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-4288-41 MS** — **Client Sample ID: S-12 (1-1.5)**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 49117**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 2270 | | 1240 | 3582 | | mg/Kg | | 106 | 90 - 110 |

**Lab Sample ID: 890-4288-41 MSD** — **Client Sample ID: S-12 (1-1.5)**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 49117**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 2270 | | 1240 | 3592 | | mg/Kg | | 107 | 90 - 110 | 0 | 20 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: 890-4288-51 MS**
**Matrix: Solid**
**Analysis Batch: 49117**

**Client Sample ID: S-14 (3-3.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 414 | | 249 | 675.2 | | mg/Kg | | 105 | 90 - 110 |

**Lab Sample ID: 890-4288-51 MSD**
**Matrix: Solid**
**Analysis Batch: 49117**

**Client Sample ID: S-14 (3-3.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 414 | | 249 | 676.2 | | mg/Kg | | 105 | 90 - 110 | 0 | 20 |

**Lab Sample ID: MB 880-48622/1-A**
**Matrix: Solid**
**Analysis Batch: 49128**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/20/23 09:39 | 1 |

**Lab Sample ID: LCS 880-48622/2-A**
**Matrix: Solid**
**Analysis Batch: 49128**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 252.0 | | mg/Kg | | 101 | 90 - 110 |

**Lab Sample ID: LCSD 880-48622/3-A**
**Matrix: Solid**
**Analysis Batch: 49128**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 253.0 | | mg/Kg | | 101 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-4288-1 MS**
**Matrix: Solid**
**Analysis Batch: 49128**

**Client Sample ID: S-2 (1-1.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 188 | | 251 | 416.7 | | mg/Kg | | 91 | 90 - 110 |

**Lab Sample ID: 890-4288-1 MSD**
**Matrix: Solid**
**Analysis Batch: 49128**

**Client Sample ID: S-2 (1-1.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 188 | | 251 | 417.3 | | mg/Kg | | 91 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-4288-11 MS**
**Matrix: Solid**
**Analysis Batch: 49128**

**Client Sample ID: S-4 (3-3.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <4.95 | U | 248 | 249.5 | | mg/Kg | | 100 | 90 - 110 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: 890-4288-11 MSD**
**Matrix: Solid**
**Analysis Batch: 49128**

**Client Sample ID: S-4 (3-3.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | <4.95 | U | 248 | 250.1 | | mg/Kg | | 100 | 90 - 110 | 0 | 20 |

**Lab Sample ID: MB 880-48621/1-A**
**Matrix: Solid**
**Analysis Batch: 49131**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/20/23 15:28 | 1 |

**Lab Sample ID: LCS 880-48621/2-A**
**Matrix: Solid**
**Analysis Batch: 49131**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 263.0 | | mg/Kg | | 105 | 90 - 110 |

**Lab Sample ID: LCSD 880-48621/3-A**
**Matrix: Solid**
**Analysis Batch: 49131**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 264.1 | | mg/Kg | | 106 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-4288-21 MS**
**Matrix: Solid**
**Analysis Batch: 49131**

**Client Sample ID: S-7 (1-1.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4580 | | 2500 | 6886 | | mg/Kg | | 92 | 90 - 110 |

**Lab Sample ID: 890-4288-21 MSD**
**Matrix: Solid**
**Analysis Batch: 49131**

**Client Sample ID: S-7 (1-1.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4580 | | 2500 | 6932 | | mg/Kg | | 94 | 90 - 110 | 1 | 20 |

**Lab Sample ID: 890-4288-31 MS**
**Matrix: Solid**
**Analysis Batch: 49131**

**Client Sample ID: S-9 (3-3.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3150 | | 1250 | 4333 | | mg/Kg | | 95 | 90 - 110 |

**Lab Sample ID: 890-4288-31 MSD**
**Matrix: Solid**
**Analysis Batch: 49131**

**Client Sample ID: S-9 (3-3.5)**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3150 | | 1250 | 4324 | | mg/Kg | | 94 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC VOA

### Prep Batch: 48857

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-48857/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 49035

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-1 | S-2 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-2 | S-2 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-3 | S-2 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-4 | S-2 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-5 | S-3 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-6 | S-3 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-7 | S-3 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-8 | S-3 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-9 | S-4 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-10 | S-4 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-11 | S-4 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-12 | S-4 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-13 | S-5 (1-1.5) | Total/NA | Solid | 5035 | |
| MB 880-49035/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49035/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49035/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-25822-A-1-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-25822-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Prep Batch: 49036

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-15 | S-5 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-16 | S-5 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-17 | S-6 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-18 | S-6 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-19 | S-6 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-20 | S-6 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-21 | S-7 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-22 | S-7 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-23 | S-7 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-24 | S-7 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-25 | S-8 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-26 | S-8 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-27 | S-8 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-28 | S-8 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-29 | S-9 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-30 | S-9 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-31 | S-9 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-32 | S-9 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-33 | S-10 (1-1.5) | Total/NA | Solid | 5035 | |
| MB 880-49036/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49036/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49036/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-4288-A-14-C MS | 890-4288-A-14-C MS | Total/NA | Solid | 5035 | |
| 890-4288-A-14-D MSD | 890-4288-A-14-D MSD | Total/NA | Solid | 5035 | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC VOA

### Prep Batch: 49038

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-34 | S-10 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-35 | S-10 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-36 | S-10 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-37 | S-11 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-38 | S-11 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-39 | S-11 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-40 | S-11 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-41 | S-12 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-42 | S-12 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-43 | S-12 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-44 | S-12 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-45 | S-13 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-46 | S-13 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-47 | S-13 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-48 | S-13 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-49 | S-14 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-50 | S-14 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-51 | S-14 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-52 | S-14 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-53 | S-15 (1-1.5) | Total/NA | Solid | 5035 | |
| MB 880-49038/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49038/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49038/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-4288-36 MS | S-10 (4-4.5) | Total/NA | Solid | 5035 | |
| 890-4288-36 MSD | S-10 (4-4.5) | Total/NA | Solid | 5035 | |

### Analysis Batch: 49077

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-54 | S-15 (2-2.5) | Total/NA | Solid | 8021B | 49091 |
| 890-4288-55 | S-15 (3-3.5) | Total/NA | Solid | 8021B | 49091 |
| 890-4288-56 | S-15 (4-4.5) | Total/NA | Solid | 8021B | 49091 |
| MB 880-49091/5-A | Method Blank | Total/NA | Solid | 8021B | 49091 |
| LCS 880-49091/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49091 |
| LCSD 880-49091/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49091 |
| 880-25818-A-41-H MS | Matrix Spike | Total/NA | Solid | 8021B | 49091 |
| 880-25818-A-41-I MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 49091 |

### Prep Batch: 49091

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-54 | S-15 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-55 | S-15 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-56 | S-15 (4-4.5) | Total/NA | Solid | 5035 | |
| MB 880-49091/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49091/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49091/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-25818-A-41-H MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-25818-A-41-I MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 49106

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-1 | S-2 (1-1.5) | Total/NA | Solid | 8021B | 49035 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC VOA (Continued)

### Analysis Batch: 49106 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-2 | S-2 (2-2.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-3 | S-2 (3-3.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-4 | S-2 (4-4.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-5 | S-3 (1-1.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-6 | S-3 (2-2.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-7 | S-3 (3-3.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-8 | S-3 (4-4.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-9 | S-4 (1-1.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-10 | S-4 (2-2.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-11 | S-4 (3-3.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-12 | S-4 (4-4.5) | Total/NA | Solid | 8021B | 49035 |
| 890-4288-13 | S-5 (1-1.5) | Total/NA | Solid | 8021B | 49035 |
| MB 880-48857/5-A | Method Blank | Total/NA | Solid | 8021B | 48857 |
| MB 880-49035/5-A | Method Blank | Total/NA | Solid | 8021B | 49035 |
| LCS 880-49035/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49035 |
| LCSD 880-49035/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49035 |
| 880-25822-A-1-D MS | Matrix Spike | Total/NA | Solid | 8021B | 49035 |
| 880-25822-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 49035 |

### Analysis Batch: 49162

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-15 | S-5 (3-3.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-16 | S-5 (4-4.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-17 | S-6 (1-1.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-18 | S-6 (2-2.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-19 | S-6 (3-3.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-20 | S-6 (4-4.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-21 | S-7 (1-1.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-22 | S-7 (2-2.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-23 | S-7 (3-3.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-24 | S-7 (4-4.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-25 | S-8 (1-1.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-26 | S-8 (2-2.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-27 | S-8 (3-3.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-28 | S-8 (4-4.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-29 | S-9 (1-1.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-30 | S-9 (2-2.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-31 | S-9 (3-3.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-32 | S-9 (4-4.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-33 | S-10 (1-1.5) | Total/NA | Solid | 8021B | 49036 |
| 890-4288-34 | S-10 (2-2.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-35 | S-10 (3-3.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-36 | S-10 (4-4.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-37 | S-11 (1-1.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-38 | S-11 (2-2.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-39 | S-11 (3-3.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-40 | S-11 (4-4.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-41 | S-12 (1-1.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-42 | S-12 (2-2.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-43 | S-12 (3-3.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-44 | S-12 (4-4.5) | Total/NA | Solid | 8021B | 49038 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC VOA (Continued)

### Analysis Batch: 49162 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-45 | S-13 (1-1.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-46 | S-13 (2-2.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-47 | S-13 (3-3.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-48 | S-13 (4-4.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-49 | S-14 (1-1.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-50 | S-14 (2-2.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-51 | S-14 (3-3.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-52 | S-14 (4-4.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-53 | S-15 (1-1.5) | Total/NA | Solid | 8021B | 49038 |
| MB 880-49036/5-A | Method Blank | Total/NA | Solid | 8021B | 49036 |
| MB 880-49038/5-A | Method Blank | Total/NA | Solid | 8021B | 49038 |
| LCS 880-49036/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49036 |
| LCS 880-49038/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49038 |
| LCSD 880-49036/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49036 |
| LCSD 880-49038/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49038 |
| 890-4288-36 MS | S-10 (4-4.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-36 MSD | S-10 (4-4.5) | Total/NA | Solid | 8021B | 49038 |
| 890-4288-A-14-C MS | 890-4288-A-14-C MS | Total/NA | Solid | 8021B | 49036 |
| 890-4288-A-14-D MSD | 890-4288-A-14-D MSD | Total/NA | Solid | 8021B | 49036 |

### Prep Batch: 49192

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-25 | S-8 (1-1.5) | Total/NA | Solid | 5035 | |
| 890-4288-26 | S-8 (2-2.5) | Total/NA | Solid | 5035 | |
| 890-4288-27 | S-8 (3-3.5) | Total/NA | Solid | 5035 | |
| 890-4288-34 | S-10 (2-2.5) | Total/NA | Solid | 5035 | |
| MB 880-49192/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49192/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49192/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-26165-A-1-H MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-26165-A-1-I MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Prep Batch: 49216

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-14 | S-5 (2-2.5) | Total/NA | Solid | 5035 | |
| MB 880-49216/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49216/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49216/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-4305-A-1-E MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-4305-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 49289

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-14 | S-5 (2-2.5) | Total/NA | Solid | 8021B | 49216 |
| MB 880-49216/5-A | Method Blank | Total/NA | Solid | 8021B | 49216 |
| LCS 880-49216/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49216 |
| LCSD 880-49216/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49216 |
| 890-4305-A-1-E MS | Matrix Spike | Total/NA | Solid | 8021B | 49216 |
| 890-4305-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 49216 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC VOA

### Prep Batch: 49328

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-49328/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Analysis Batch: 49344

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-25 | S-8 (1-1.5) | Total/NA | Solid | 8021B | 49192 |
| 890-4288-26 | S-8 (2-2.5) | Total/NA | Solid | 8021B | 49192 |
| 890-4288-27 | S-8 (3-3.5) | Total/NA | Solid | 8021B | 49192 |
| 890-4288-34 | S-10 (2-2.5) | Total/NA | Solid | 8021B | 49192 |
| MB 880-49192/5-A | Method Blank | Total/NA | Solid | 8021B | 49192 |
| MB 880-49328/5-A | Method Blank | Total/NA | Solid | 8021B | 49328 |
| LCS 880-49192/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49192 |
| LCSD 880-49192/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49192 |
| 880-26165-A-1-H MS | Matrix Spike | Total/NA | Solid | 8021B | 49192 |
| 880-26165-A-1-I MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 49192 |

### Analysis Batch: 49371

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-1 | S-2 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-2 | S-2 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-3 | S-2 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-4 | S-2 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-5 | S-3 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-6 | S-3 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-7 | S-3 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-8 | S-3 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-9 | S-4 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-10 | S-4 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-11 | S-4 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-12 | S-4 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-13 | S-5 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-14 | S-5 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-15 | S-5 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-16 | S-5 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-17 | S-6 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-18 | S-6 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-19 | S-6 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-20 | S-6 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-21 | S-7 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-22 | S-7 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-23 | S-7 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-24 | S-7 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-25 | S-8 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-26 | S-8 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-27 | S-8 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-28 | S-8 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-29 | S-9 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-30 | S-9 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-31 | S-9 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-32 | S-9 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-33 | S-10 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-34 | S-10 (2-2.5) | Total/NA | Solid | Total BTEX | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC VOA (Continued)

### Analysis Batch: 49371 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-35 | S-10 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-36 | S-10 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-37 | S-11 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-38 | S-11 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-39 | S-11 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-40 | S-11 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-41 | S-12 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-42 | S-12 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-43 | S-12 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-44 | S-12 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-45 | S-13 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-46 | S-13 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-47 | S-13 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-48 | S-13 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-49 | S-14 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-50 | S-14 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-51 | S-14 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-52 | S-14 (4-4.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-53 | S-15 (1-1.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-54 | S-15 (2-2.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-55 | S-15 (3-3.5) | Total/NA | Solid | Total BTEX | |
| 890-4288-56 | S-15 (4-4.5) | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 48600

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-1 | S-2 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-2 | S-2 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-3 | S-2 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-4 | S-2 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-5 | S-3 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-6 | S-3 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-7 | S-3 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-8 | S-3 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-9 | S-4 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-10 | S-4 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-11 | S-4 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-12 | S-4 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-13 | S-5 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-14 | S-5 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-15 | S-5 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-16 | S-5 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-17 | S-6 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-18 | S-6 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-19 | S-6 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-20 | S-6 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| MB 880-48600/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-48600/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-48600/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4288-1 MS | S-2 (1-1.5) | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC Semi VOA (Continued)

### Prep Batch: 48600 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-1 MSD | S-2 (1-1.5) | Total/NA | Solid | 8015NM Prep | |

### Prep Batch: 48610

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-21 | S-7 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-22 | S-7 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-23 | S-7 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-24 | S-7 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-25 | S-8 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-26 | S-8 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-27 | S-8 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-28 | S-8 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-29 | S-9 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-30 | S-9 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-31 | S-9 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-32 | S-9 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-33 | S-10 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-34 | S-10 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-35 | S-10 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-36 | S-10 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-37 | S-11 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-38 | S-11 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-39 | S-11 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-40 | S-11 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| MB 880-48610/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-48610/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-48610/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4288-22 MS | S-7 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-22 MSD | S-7 (2-2.5) | Total/NA | Solid | 8015NM Prep | |

### Prep Batch: 48613

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-41 | S-12 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-42 | S-12 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-43 | S-12 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-44 | S-12 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-45 | S-13 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-46 | S-13 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-47 | S-13 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-48 | S-13 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-49 | S-14 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-50 | S-14 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-51 | S-14 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-52 | S-14 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-53 | S-15 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-54 | S-15 (2-2.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-55 | S-15 (3-3.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-56 | S-15 (4-4.5) | Total/NA | Solid | 8015NM Prep | |
| MB 880-48613/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-48613/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-48613/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC Semi VOA (Continued)

### Prep Batch: 48613 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-41 MS | S-12 (1-1.5) | Total/NA | Solid | 8015NM Prep | |
| 890-4288-41 MSD | S-12 (1-1.5) | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 48703

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-41 | S-12 (1-1.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-42 | S-12 (2-2.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-43 | S-12 (3-3.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-44 | S-12 (4-4.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-45 | S-13 (1-1.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-46 | S-13 (2-2.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-47 | S-13 (3-3.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-48 | S-13 (4-4.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-49 | S-14 (1-1.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-50 | S-14 (2-2.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-51 | S-14 (3-3.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-52 | S-14 (4-4.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-53 | S-15 (1-1.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-54 | S-15 (2-2.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-55 | S-15 (3-3.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-56 | S-15 (4-4.5) | Total/NA | Solid | 8015B NM | 48613 |
| MB 880-48613/1-A | Method Blank | Total/NA | Solid | 8015B NM | 48613 |
| LCS 880-48613/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 48613 |
| LCSD 880-48613/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-41 MS | S-12 (1-1.5) | Total/NA | Solid | 8015B NM | 48613 |
| 890-4288-41 MSD | S-12 (1-1.5) | Total/NA | Solid | 8015B NM | 48613 |

### Analysis Batch: 48810

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-21 | S-7 (1-1.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-22 | S-7 (2-2.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-23 | S-7 (3-3.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-24 | S-7 (4-4.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-25 | S-8 (1-1.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-26 | S-8 (2-2.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-27 | S-8 (3-3.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-28 | S-8 (4-4.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-29 | S-9 (1-1.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-30 | S-9 (2-2.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-31 | S-9 (3-3.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-32 | S-9 (4-4.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-33 | S-10 (1-1.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-34 | S-10 (2-2.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-35 | S-10 (3-3.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-36 | S-10 (4-4.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-37 | S-11 (1-1.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-38 | S-11 (2-2.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-39 | S-11 (3-3.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-40 | S-11 (4-4.5) | Total/NA | Solid | 8015B NM | 48610 |
| MB 880-48610/1-A | Method Blank | Total/NA | Solid | 8015B NM | 48610 |
| LCS 880-48610/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 48610 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC Semi VOA (Continued)

### Analysis Batch: 48810 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCSD 880-48610/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-22 MS | S-7 (2-2.5) | Total/NA | Solid | 8015B NM | 48610 |
| 890-4288-22 MSD | S-7 (2-2.5) | Total/NA | Solid | 8015B NM | 48610 |

### Analysis Batch: 48815

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-1 | S-2 (1-1.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-2 | S-2 (2-2.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-3 | S-2 (3-3.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-4 | S-2 (4-4.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-5 | S-3 (1-1.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-6 | S-3 (2-2.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-7 | S-3 (3-3.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-8 | S-3 (4-4.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-9 | S-4 (1-1.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-10 | S-4 (2-2.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-11 | S-4 (3-3.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-12 | S-4 (4-4.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-13 | S-5 (1-1.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-14 | S-5 (2-2.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-15 | S-5 (3-3.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-16 | S-5 (4-4.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-17 | S-6 (1-1.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-18 | S-6 (2-2.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-19 | S-6 (3-3.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-20 | S-6 (4-4.5) | Total/NA | Solid | 8015B NM | 48600 |
| MB 880-48600/1-A | Method Blank | Total/NA | Solid | 8015B NM | 48600 |
| LCS 880-48600/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 48600 |
| LCSD 880-48600/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-1 MS | S-2 (1-1.5) | Total/NA | Solid | 8015B NM | 48600 |
| 890-4288-1 MSD | S-2 (1-1.5) | Total/NA | Solid | 8015B NM | 48600 |

### Analysis Batch: 49094

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-1 | S-2 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-2 | S-2 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-3 | S-2 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-4 | S-2 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-5 | S-3 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-6 | S-3 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-7 | S-3 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-8 | S-3 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-9 | S-4 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-10 | S-4 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-11 | S-4 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-12 | S-4 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-13 | S-5 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-14 | S-5 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-15 | S-5 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-16 | S-5 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-17 | S-6 (1-1.5) | Total/NA | Solid | 8015 NM | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## GC Semi VOA (Continued)

### Analysis Batch: 49094 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-18 | S-6 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-19 | S-6 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-20 | S-6 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-21 | S-7 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-22 | S-7 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-23 | S-7 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-24 | S-7 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-25 | S-8 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-26 | S-8 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-27 | S-8 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-28 | S-8 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-29 | S-9 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-30 | S-9 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-31 | S-9 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-32 | S-9 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-33 | S-10 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-34 | S-10 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-35 | S-10 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-36 | S-10 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-37 | S-11 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-38 | S-11 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-39 | S-11 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-40 | S-11 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-41 | S-12 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-42 | S-12 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-44 | S-12 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-45 | S-13 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-46 | S-13 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-47 | S-13 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-48 | S-13 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-49 | S-14 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-50 | S-14 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-51 | S-14 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-52 | S-14 (4-4.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-53 | S-15 (1-1.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-54 | S-15 (2-2.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-55 | S-15 (3-3.5) | Total/NA | Solid | 8015 NM | |
| 890-4288-56 | S-15 (4-4.5) | Total/NA | Solid | 8015 NM | |

### Analysis Batch: 49233

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-43 | S-12 (3-3.5) | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 48620

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-41 | S-12 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-42 | S-12 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-43 | S-12 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-44 | S-12 (4-4.5) | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## HPLC/IC (Continued)

### Leach Batch: 48620 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-45 | S-13 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-46 | S-13 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-47 | S-13 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-48 | S-13 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-49 | S-14 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-50 | S-14 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-51 | S-14 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-52 | S-14 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-53 | S-15 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-54 | S-15 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-55 | S-15 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-56 | S-15 (4-4.5) | Soluble | Solid | DI Leach | |
| MB 880-48620/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-48620/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-48620/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4288-41 MS | S-12 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-41 MSD | S-12 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-51 MS | S-14 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-51 MSD | S-14 (3-3.5) | Soluble | Solid | DI Leach | |

### Leach Batch: 48621

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-21 | S-7 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-22 | S-7 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-23 | S-7 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-24 | S-7 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-25 | S-8 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-26 | S-8 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-27 | S-8 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-28 | S-8 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-29 | S-9 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-30 | S-9 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-31 | S-9 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-32 | S-9 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-33 | S-10 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-34 | S-10 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-35 | S-10 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-36 | S-10 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-37 | S-11 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-38 | S-11 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-39 | S-11 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-40 | S-11 (4-4.5) | Soluble | Solid | DI Leach | |
| MB 880-48621/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-48621/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-48621/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4288-21 MS | S-7 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-21 MSD | S-7 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-31 MS | S-9 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-31 MSD | S-9 (3-3.5) | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## HPLC/IC

### Leach Batch: 48622

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-1 | S-2 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-2 | S-2 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-3 | S-2 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-4 | S-2 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-5 | S-3 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-6 | S-3 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-7 | S-3 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-8 | S-3 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-9 | S-4 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-10 | S-4 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-11 | S-4 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-12 | S-4 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-13 | S-5 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-14 | S-5 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-15 | S-5 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-16 | S-5 (4-4.5) | Soluble | Solid | DI Leach | |
| 890-4288-17 | S-6 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-18 | S-6 (2-2.5) | Soluble | Solid | DI Leach | |
| 890-4288-19 | S-6 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-20 | S-6 (4-4.5) | Soluble | Solid | DI Leach | |
| MB 880-48622/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-48622/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-48622/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4288-1 MS | S-2 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-1 MSD | S-2 (1-1.5) | Soluble | Solid | DI Leach | |
| 890-4288-11 MS | S-4 (3-3.5) | Soluble | Solid | DI Leach | |
| 890-4288-11 MSD | S-4 (3-3.5) | Soluble | Solid | DI Leach | |

### Analysis Batch: 49117

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-41 | S-12 (1-1.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-42 | S-12 (2-2.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-43 | S-12 (3-3.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-44 | S-12 (4-4.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-45 | S-13 (1-1.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-46 | S-13 (2-2.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-47 | S-13 (3-3.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-48 | S-13 (4-4.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-49 | S-14 (1-1.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-50 | S-14 (2-2.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-51 | S-14 (3-3.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-52 | S-14 (4-4.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-53 | S-15 (1-1.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-54 | S-15 (2-2.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-55 | S-15 (3-3.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-56 | S-15 (4-4.5) | Soluble | Solid | 300.0 | 48620 |
| MB 880-48620/1-A | Method Blank | Soluble | Solid | 300.0 | 48620 |
| LCS 880-48620/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 48620 |
| LCSD 880-48620/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 48620 |
| 890-4288-41 MS | S-12 (1-1.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-41 MSD | S-12 (1-1.5) | Soluble | Solid | 300.0 | 48620 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## HPLC/IC (Continued)

### Analysis Batch: 49117 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-51 MS | S-14 (3-3.5) | Soluble | Solid | 300.0 | 48620 |
| 890-4288-51 MSD | S-14 (3-3.5) | Soluble | Solid | 300.0 | 48620 |

### Analysis Batch: 49128

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-1 | S-2 (1-1.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-2 | S-2 (2-2.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-3 | S-2 (3-3.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-4 | S-2 (4-4.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-5 | S-3 (1-1.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-6 | S-3 (2-2.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-7 | S-3 (3-3.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-8 | S-3 (4-4.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-9 | S-4 (1-1.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-10 | S-4 (2-2.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-11 | S-4 (3-3.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-12 | S-4 (4-4.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-13 | S-5 (1-1.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-14 | S-5 (2-2.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-15 | S-5 (3-3.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-16 | S-5 (4-4.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-17 | S-6 (1-1.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-18 | S-6 (2-2.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-19 | S-6 (3-3.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-20 | S-6 (4-4.5) | Soluble | Solid | 300.0 | 48622 |
| MB 880-48622/1-A | Method Blank | Soluble | Solid | 300.0 | 48622 |
| LCS 880-48622/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 48622 |
| LCSD 880-48622/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 48622 |
| 890-4288-1 MS | S-2 (1-1.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-1 MSD | S-2 (1-1.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-11 MS | S-4 (3-3.5) | Soluble | Solid | 300.0 | 48622 |
| 890-4288-11 MSD | S-4 (3-3.5) | Soluble | Solid | 300.0 | 48622 |

### Analysis Batch: 49131

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-21 | S-7 (1-1.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-22 | S-7 (2-2.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-23 | S-7 (3-3.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-24 | S-7 (4-4.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-25 | S-8 (1-1.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-26 | S-8 (2-2.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-27 | S-8 (3-3.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-28 | S-8 (4-4.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-29 | S-9 (1-1.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-30 | S-9 (2-2.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-31 | S-9 (3-3.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-32 | S-9 (4-4.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-33 | S-10 (1-1.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-34 | S-10 (2-2.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-35 | S-10 (3-3.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-36 | S-10 (4-4.5) | Soluble | Solid | 300.0 | 48621 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## HPLC/IC (Continued)

### Analysis Batch: 49131 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4288-37 | S-11 (1-1.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-38 | S-11 (2-2.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-39 | S-11 (3-3.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-40 | S-11 (4-4.5) | Soluble | Solid | 300.0 | 48621 |
| MB 880-48621/1-A | Method Blank | Soluble | Solid | 300.0 | 48621 |
| LCS 880-48621/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 48621 |
| LCSD 880-48621/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 48621 |
| 890-4288-21 MS | S-7 (1-1.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-21 MSD | S-7 (1-1.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-31 MS | S-9 (3-3.5) | Soluble | Solid | 300.0 | 48621 |
| 890-4288-31 MSD | S-9 (3-3.5) | Soluble | Solid | 300.0 | 48621 |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-2 (1-1.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-1
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 03:21 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48600 | 03/14/23 12:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 11:06 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 09:54 | SMC | EET MID |

## Client Sample ID: S-2 (2-2.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-2
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 03:42 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48600 | 03/14/23 12:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 12:14 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 10:08 | SMC | EET MID |

## Client Sample ID: S-2 (3-3.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-3
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 04:03 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48600 | 03/14/23 12:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 12:36 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 10:13 | SMC | EET MID |

## Client Sample ID: S-2 (4-4.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 06:10 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-2 (4-4.5)

**Lab Sample ID: 890-4288-4**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48600 | 03/14/23 12:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 12:57 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 10:18 | SMC | EET MID |

## Client Sample ID: S-3 (1-1.5)

**Lab Sample ID: 890-4288-5**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 06:31 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48600 | 03/14/23 12:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 13:19 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 10:22 | SMC | EET MID |

## Client Sample ID: S-3 (2-2.5)

**Lab Sample ID: 890-4288-6**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 06:52 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48600 | 03/14/23 12:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 13:41 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 10:37 | SMC | EET MID |

## Client Sample ID: S-3 (3-3.5)

**Lab Sample ID: 890-4288-7**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 07:13 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 14:03 | SM | EET MID |

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# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-3 (3-3.5)

**Lab Sample ID: 890-4288-7**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 10:42 | SMC | EET MID |

## Client Sample ID: S-3 (4-4.5)

**Lab Sample ID: 890-4288-8**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 07:34 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 14:24 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 10:47 | SMC | EET MID |

## Client Sample ID: S-4 (1-1.5)

**Lab Sample ID: 890-4288-9**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 07:54 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 14:47 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 10:52 | SMC | EET MID |

## Client Sample ID: S-4 (2-2.5)

**Lab Sample ID: 890-4288-10**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 08:15 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 15:09 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 10:56 | SMC | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-4 (3-3.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-11**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 08:36 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 15:53 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 14:00 | SMC | EET MID |

## Client Sample ID: S-4 (4-4.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-12**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 08:57 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 16:15 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 14:15 | SMC | EET MID |

## Client Sample ID: S-5 (1-1.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-13**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 49035 | 03/20/23 16:09 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49106 | 03/22/23 09:17 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 16:38 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 14:20 | SMC | EET MID |

## Client Sample ID: S-5 (2-2.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-14**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49216 | 03/22/23 13:23 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 5 | 5 mL | 5 mL | 49289 | 03/23/23 16:35 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/24/23 08:51 | MNR | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-5 (2-2.5)

**Lab Sample ID: 890-4288-14**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 17:00 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 14:34 | SMC | EET MID |

## Client Sample ID: S-5 (3-3.5)

**Lab Sample ID: 890-4288-15**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.96 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/22/23 13:51 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 17:22 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 14:39 | SMC | EET MID |

## Client Sample ID: S-5 (4-4.5)

**Lab Sample ID: 890-4288-16**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/22/23 14:11 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 17:44 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 14:44 | SMC | EET MID |

## Client Sample ID: S-6 (1-1.5)

**Lab Sample ID: 890-4288-17**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/22/23 14:32 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 18:06 | SM | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-6 (1-1.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-17**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 14:49 | SMC | EET MID |

## Client Sample ID: S-6 (2-2.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-18**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/22/23 14:53 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 18:28 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 14:54 | SMC | EET MID |

## Client Sample ID: S-6 (3-3.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-19**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/22/23 15:14 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 18:50 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 14:59 | SMC | EET MID |

## Client Sample ID: S-6 (4-4.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-20**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/22/23 15:34 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48600 | 03/14/23 12:26 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 19:12 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48622 | 03/14/23 15:09 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49128 | 03/20/23 15:04 | SMC | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-7 (1-1.5)

**Lab Sample ID: 890-4288-21**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 50 | 5 mL | 5 mL | 49162 | 03/22/23 16:57 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 14:18 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | 50 mL | 50 mL | 49131 | 03/20/23 15:42 | SMC | EET MID |

## Client Sample ID: S-7 (2-2.5)

**Lab Sample ID: 890-4288-22**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/22/23 15:55 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 12:29 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 15:57 | SMC | EET MID |

## Client Sample ID: S-7 (3-3.5)

**Lab Sample ID: 890-4288-23**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/22/23 16:16 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 13:35 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 16:02 | SMC | EET MID |

## Client Sample ID: S-7 (4-4.5)

**Lab Sample ID: 890-4288-24**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/22/23 18:21 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-7 (4-4.5)

**Lab Sample ID: 890-4288-24**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 13:57 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 16:07 | SMC | EET MID |

## Client Sample ID: S-8 (1-1.5)

**Lab Sample ID: 890-4288-25**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 25 | 5 mL | 5 mL | 49162 | 03/22/23 18:42 | MNR | EET MID |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49192 | 03/22/23 11:22 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 200 | 5 mL | 5 mL | 49344 | 03/24/23 11:51 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 14:39 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 16:11 | SMC | EET MID |

## Client Sample ID: S-8 (2-2.5)

**Lab Sample ID: 890-4288-26**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 25 | 5 mL | 5 mL | 49162 | 03/22/23 19:03 | MNR | EET MID |
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49192 | 03/22/23 11:22 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 250 | 5 mL | 5 mL | 49344 | 03/24/23 12:11 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 15:01 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 16:26 | SMC | EET MID |

## Client Sample ID: S-8 (3-3.5)

**Lab Sample ID: 890-4288-27**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 50 | 5 mL | 5 mL | 49162 | 03/22/23 19:23 | MNR | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-8 (3-3.5)

**Lab Sample ID: 890-4288-27**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49192 | 03/22/23 11:22 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 250 | 5 mL | 5 mL | 49344 | 03/24/23 12:32 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 15:21 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49131 | 03/20/23 16:31 | SMC | EET MID |

## Client Sample ID: S-8 (4-4.5)

**Lab Sample ID: 890-4288-28**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 25 | 5 mL | 5 mL | 49162 | 03/22/23 19:44 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 16:25 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49131 | 03/20/23 16:36 | SMC | EET MID |

## Client Sample ID: S-9 (1-1.5)

**Lab Sample ID: 890-4288-29**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 50 | 5 mL | 5 mL | 49162 | 03/22/23 20:05 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/25/23 16:25 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 15:42 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49131 | 03/20/23 16:40 | SMC | EET MID |

## Client Sample ID: S-9 (2-2.5)

**Lab Sample ID: 890-4288-30**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 250 | 5 mL | 5 mL | 49162 | 03/22/23 20:25 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-9 (2-2.5)

**Lab Sample ID: 890-4288-30**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 17:31 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49131 | 03/20/23 16:45 | SMC | EET MID |

## Client Sample ID: S-9 (3-3.5)

**Lab Sample ID: 890-4288-31**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 250 | 5 mL | 5 mL | 49162 | 03/22/23 20:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 17:52 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49131 | 03/20/23 16:50 | SMC | EET MID |

## Client Sample ID: S-9 (4-4.5)

**Lab Sample ID: 890-4288-32**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 50 | 5 mL | 5 mL | 49162 | 03/22/23 21:27 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 18:14 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49131 | 03/20/23 17:05 | SMC | EET MID |

## Client Sample ID: S-10 (1-1.5)

**Lab Sample ID: 890-4288-33**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49036 | 03/20/23 16:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 250 | 5 mL | 5 mL | 49162 | 03/22/23 21:07 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 18:35 | SM | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-10 (1-1.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-33**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 17:09 | SMC | EET MID |

## Client Sample ID: S-10 (2-2.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-34**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 50 | 5 mL | 5 mL | 49162 | 03/23/23 03:20 | MNR | EET MID |
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 49192 | 03/22/23 11:22 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 250 | 5 mL | 5 mL | 49344 | 03/24/23 12:53 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48810 | 03/17/23 18:57 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 17:24 | SMC | EET MID |

## Client Sample ID: S-10 (3-3.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-35**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 25 | 5 mL | 5 mL | 49162 | 03/23/23 03:40 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 19:18 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49131 | 03/20/23 17:29 | SMC | EET MID |

## Client Sample ID: S-10 (4-4.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Lab Sample ID: 890-4288-36**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 00:34 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 19:39 | SM | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-10 (4-4.5)

**Lab Sample ID: 890-4288-36**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49131 | 03/20/23 17:34 | SMC | EET MID |

## Client Sample ID: S-11 (1-1.5)

**Lab Sample ID: 890-4288-37**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 00:55 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 16:03 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | 50 mL | 50 mL | 49131 | 03/20/23 17:38 | SMC | EET MID |

## Client Sample ID: S-11 (2-2.5)

**Lab Sample ID: 890-4288-38**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 01:16 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 20:00 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 17:43 | SMC | EET MID |

## Client Sample ID: S-11 (3-3.5)

**Lab Sample ID: 890-4288-39**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 01:36 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 20:21 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 17:48 | SMC | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-11 (4-4.5)

**Lab Sample ID: 890-4288-40**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 01:57 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48610 | 03/14/23 12:44 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48810 | 03/17/23 20:42 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 48621 | 03/14/23 15:08 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49131 | 03/20/23 17:53 | SMC | EET MID |

## Client Sample ID: S-12 (1-1.5)

**Lab Sample ID: 890-4288-41**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 02:18 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/16/23 21:10 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49117 | 03/19/23 23:06 | SMC | EET MID |

## Client Sample ID: S-12 (2-2.5)

**Lab Sample ID: 890-4288-42**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 02:38 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/16/23 22:15 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49117 | 03/19/23 23:20 | SMC | EET MID |

## Client Sample ID: S-12 (3-3.5)

**Lab Sample ID: 890-4288-43**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 02:59 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-12 (3-3.5)

**Lab Sample ID: 890-4288-43**

**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 49233 | 03/22/23 16:11 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/16/23 22:36 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49117 | 03/19/23 23:25 | SMC | EET MID |

## Client Sample ID: S-12 (4-4.5)

**Lab Sample ID: 890-4288-44**

**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 05:05 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/16/23 22:58 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49117 | 03/19/23 23:30 | SMC | EET MID |

## Client Sample ID: S-13 (1-1.5)

**Lab Sample ID: 890-4288-45**

**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.96 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 05:25 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/16/23 23:19 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49117 | 03/19/23 23:35 | SMC | EET MID |

## Client Sample ID: S-13 (2-2.5)

**Lab Sample ID: 890-4288-46**

**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 05:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/16/23 23:40 | SM | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-13 (2-2.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-46
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49117 | 03/19/23 23:49 | SMC | EET MID |

## Client Sample ID: S-13 (3-3.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-47
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 06:07 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 00:01 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49117 | 03/19/23 23:54 | SMC | EET MID |

## Client Sample ID: S-13 (4-4.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-48
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 06:27 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 00:23 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49117 | 03/19/23 23:59 | SMC | EET MID |

## Client Sample ID: S-14 (1-1.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-49
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 06:48 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 00:43 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49117 | 03/20/23 00:04 | SMC | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-14 (2-2.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-50
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 07:09 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 01:05 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49117 | 03/20/23 00:09 | SMC | EET MID |

## Client Sample ID: S-14 (3-3.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-51
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 07:29 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 01:48 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49117 | 03/20/23 00:13 | SMC | EET MID |

## Client Sample ID: S-14 (4-4.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-52
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 07:50 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:31 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 02:09 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49117 | 03/20/23 00:28 | SMC | EET MID |

## Client Sample ID: S-15 (1-1.5)
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-53
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 49038 | 03/20/23 16:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49162 | 03/23/23 08:11 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:36 | MNR | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-15 (1-1.5)

**Lab Sample ID: 890-4288-53**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 02:31 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | 50 mL | 50 mL | 49117 | 03/20/23 00:33 | SMC | EET MID |

## Client Sample ID: S-15 (2-2.5)

**Lab Sample ID: 890-4288-54**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49091 | 03/21/23 09:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49077 | 03/21/23 14:29 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:36 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 02:52 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49117 | 03/20/23 00:47 | SMC | EET MID |

## Client Sample ID: S-15 (3-3.5)

**Lab Sample ID: 890-4288-55**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49091 | 03/21/23 09:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49077 | 03/21/23 14:49 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:36 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 03:13 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49117 | 03/20/23 00:52 | SMC | EET MID |

## Client Sample ID: S-15 (4-4.5)

**Lab Sample ID: 890-4288-56**
**Matrix: Solid**
**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 49091 | 03/21/23 09:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49077 | 03/21/23 15:10 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49371 | 03/26/23 08:36 | MNR | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48613 | 03/14/23 13:39 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48703 | 03/17/23 03:34 | SM | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Client Sample ID: S-15 (4-4.5)

**Date Collected: 03/10/23 00:00**
**Date Received: 03/10/23 15:55**

## Lab Sample ID: 890-4288-56

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 48620 | 03/14/23 15:04 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49117 | 03/20/23 00:57 | SMC | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

# Method Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 890-4288-1 | S-2 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-2 | S-2 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-3 | S-2 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-4 | S-2 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-5 | S-3 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-6 | S-3 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-7 | S-3 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-8 | S-3 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-9 | S-4 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-10 | S-4 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-11 | S-4 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-12 | S-4 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-13 | S-5 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-14 | S-5 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-15 | S-5 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-16 | S-5 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-17 | S-6 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-18 | S-6 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-19 | S-6 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-20 | S-6 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-21 | S-7 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-22 | S-7 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-23 | S-7 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-24 | S-7 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-25 | S-8 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-26 | S-8 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-27 | S-8 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-28 | S-8 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-29 | S-9 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-30 | S-9 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-31 | S-9 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-32 | S-9 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-33 | S-10 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-34 | S-10 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-35 | S-10 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-36 | S-10 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-37 | S-11 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-38 | S-11 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-39 | S-11 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-40 | S-11 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-41 | S-12 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-42 | S-12 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-43 | S-12 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-44 | S-12 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-45 | S-13 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-46 | S-13 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-47 | S-13 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-48 | S-13 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-49 | S-14 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-50 | S-14 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-51 | S-14 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-52 | S-14 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-53 | S-15 (1-1.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-54 | S-15 (2-2.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |

# Sample Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4288-1
SDG: 226700

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 890-4288-55 | S-15 (3-3.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |
| 890-4288-56 | S-15 (4-4.5) | Solid | 03/10/23 00:00 | 03/10/23 15:55 |

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# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 1 of 6

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level ☐ PST/U☐ TR☐P Le☐el

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County | Due Date: | |
| Sampler's Name: | Tyler Kimball | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | IR#007 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | -0.2 |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | 1.2 |
| Total Containers: | 56 | Corrected Temperature: | 1.0 |

**Preservative Codes**

None: NO DI Water: $H_2O$

Cool: Cool MeOH: Me

HCL: HC $HNO_3$: HN

$H_2S0_4$: $H_2$ NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-2 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-2 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-2 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-2 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-3 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-3 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-3 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-3 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-4 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-4 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |




**Additional Comments:** Billing Code: EAROPEMTX

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | | | 3.10.23 1555 | 2 | | |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date 05012020 Rev. 2020.1

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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____



| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

**Program: UST/PS** ☐ **PR** ☐ **Brownfie** ☐ **s** **R** ☐ **Supe** ☐

**State of Project:**

Reporting:Level ☐ Level I ☐ PST/U ☐ TR ☐ P Le ☐ el

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | **Turn Around** | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County | Due Date: | |
| Sampler's Name: | Tyler Kimball | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| **SAMPLE RECEIPT** | Temp Blank: | Yes No | Wet Ice: | Yes No |
|---|---|---|---|---|
| Received Intact: | Yes No | | Thermometer ID: | |
| Cooler Custody Seals: | Yes No N/A | | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | | Temperature Reading: | |
| Total Containers: | 56 | | Corrected Temperature: | |

**Preservative Codes**

None: NO — DI Water: $H_2O$

Cool: Cool — MeOH: Me

HCL: HC — $HNO_3$: HN

$H_2S0_4$: $H_2$ — NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-4 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-4 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-5 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-5 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-5 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-5 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-6 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-6 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-6 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-6 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |

**Additional Comments:**

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
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| 5 | | | 6 | | |



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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____

3/26/2023

Page 3 of 6

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 Email: | | cmartin@earthstoneenergy.com |

**Work Order Comments**

**Program: UST/PS** ☐ **PR** ☐ **Brownfie** ☐ **s** **R** ☐ **Supe** ☐

**State of Project:**

Reporting:Level ☐ Level ☐ PST/U ☐ TR ☐ P Le el

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | | | |
|---|---|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | **Turn Around** | | Pres. Code | |
| Project Number: | 226700 | ☑ Routine | ☐ Rush | | |
| Project Location | Lea County | Due Date: | | | |
| Sampler's Name: | Tyler Kimball | TAT starts the day received by the lab, if received by 4:30pm | | | |
| PO #: | | | | | |

| **SAMPLE RECEIPT** | Temp Blank: | Yes No | Wet Ice: | Yes No |
|---|---|---|---|---|
| Received Intact: | Yes No | | Thermometer ID: | |
| Cooler Custody Seals: | Yes No N/A | | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | | Temperature Reading: | |
| Total Containers: | 56 | | Corrected Temperature: | |

**ANALYSIS REQUEST**

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | | | | | | | | | | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-7 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |
| S-7 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |
| S-7 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |
| S-7 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |
| S-8 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |
| S-8 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |
| S-8 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |
| S-8 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |
| S-9 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |
| S-9 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | x | x | x | | | | | | | | | | | |

**Parameters**

**Preservative Codes**

None: NO — DI Water: $H_2O$

Cool: Cool — MeOH: Me

HCL: HC — $HNO_3$: HN

$H_2S0_4$: $H_2$ — NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

**Additional Comments:**

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|---|---|---|---|---|---|
| 1 | | | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |



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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____



| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 Email: | | cmartin@earthstoneenergy.com |

**Work Order Comments**

**Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐**

**State of Project:**

Reporting:Level ☐ Level ☐ PST/U☐ TR☐P Le☐el

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County | Due Date: | |
| Sampler's Name: | Tyler Kimball | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | | |
|---|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No | |
| Received Intact: | Yes No | Thermometer ID: | | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | | |
| Total Containers: | 56 | Corrected Temperature: | | |

**ANALYSIS REQUEST**

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S-9 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-9 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-10 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-10 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-10 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-10 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-11 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-11 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-11 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-11 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | |

**Preservative Codes**

| | |
|---|---|
| None: NO | DI Water: $H_2O$ |
| Cool: Cool | MeOH: Me |
| HCL: HC | $HNO_3$: HN |
| $H_2S0_4$: $H_2$ | NaOH: Na |
| $H_3PO_4$: HP | |
| $NaHSO_4$: NABIS | |
| $Na_2S_2O_3$: $NaSO_3$ | |
| Zn Acetate+NaOH: Zn | |
| NaOH+Ascorbic Acid: SAPC | |

**Sample Comments**

**Additional Comments:**

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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____



| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level ☐ PST/U☐ TR☐P Le☐el

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County | Due Date: | |
| Sampler's Name: | Tyler Kimball | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | |
| Total Containers: | 56 | Corrected Temperature: | |

**Preservative Codes**

None: NO DI Water: $H_2O$

Cool: Cool MeOH: Me

HCL: HC $HNO_3$: HN

$H_2S0_4$: $H_2$ NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-12 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-12 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-12 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-12 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-13 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-13 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-13 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-13 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-14 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-14 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |

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# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

3/26/2023

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| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level ☐ PST/U☐ TR☐P Le☐l

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County | Due Date: | |
| Sampler's Name: | Tyler Kimball | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | |
| Total Containers: | 56 | Corrected Temperature: | |

**Preservative Codes**

None: NO DI Water: $H_2O$

Cool: Cool MeOH: Me

HCL: HC $HNO_3$: HN

$H_2S0_4$: $H_2$ NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Parameters | ANALYSIS REQUEST | | | | |
| S-14 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-14 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-15 (1-1.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-15 (2-2.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-15 (3-3.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-15 (4-4.5') | 3/10/2023 | | x | | Grab/ | 1 | | x | x | x | | |

**Additional Comments:**

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
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Revised Date 05012020 Rev. 2020.1

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Received by OCD: 12/14/2024 12:00:14 AM

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# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4288-1
SDG Number: 226700

**Login Number: 4288**
**List Number: 1**
**Creator: Stutzman, Amanda**

**List Source: Eurofins Carlsbad**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | | |
| Sample custody seals, if present, are intact. | | |
| The cooler or samples do not appear to have been compromised or tampered with. | | |
| Samples were received on ice. | | |
| Cooler Temperature is acceptable. | | |
| Cooler Temperature is recorded. | | |
| COC is present | | |
| COC is filled out in ink and legible. | | |
| COC is filled out with all pertinent information | | |
| Is the Field Sampler's name present on COC? | | |
| There are no discrepancies between the containers received and the COC. | | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | | |
| Sample containers have legible labels. | | |
| Containers are not broken or leaking. | | |
| Sample collection date/times are provided. | | |
| Appropriate sample containers are used. | | |
| Sample bottles are completely filled. | | |
| Sample Preservation Verified. | | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | | |

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4288-1
SDG Number: 226700

**Login Number: 4288**
**List Number: 2**
**Creator: Stutzman, Amanda**

**List Source: Eurofins Carlsbad**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | N/A | Refer to job narrative |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | N/A | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling. | N/A | |

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4288-1
SDG Number: 226700

**Login Number: 4288**
**List Number: 3**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**
**List Creation: 03/14/23 11:33 AM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Becky Haskell
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 3/27/2023 3:38:17 PM

## JOB DESCRIPTION

Diamondback 24-25 CTB
SDG NUMBER 226700

## JOB NUMBER

890-4296-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.



Released to Imaging: 4/2/2025 2:01:51 PM

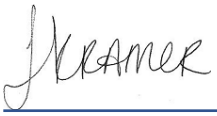
my EOL

# Eurofins Carlsbad

## Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Laboratory Job ID: 890-4296-1
SDG: 226700

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# Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Job ID: 890-4296-1

**Laboratory: Eurofins Carlsbad**

**Narrative**

**Job Narrative**
**890-4296-1**

**Receipt**
The samples were received on 3/13/2023 4:47 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: S-7 (3') (890-4296-1), S-7 (5') (890-4296-2), S-7 (7') (890-4296-3), S-7 (9') (890-4296-4), S-7 (11') (890-4296-5), S-7 (13') (890-4296-6), S-8 (1') (890-4296-7), S-8 (3') (890-4296-8), S-8 (5') (890-4296-9), S-8 (7') (890-4296-10), S-8 (9') (890-4296-11), S-9 (2') (890-4296-12), S-9 (4') (890-4296-13), S-9 (6') (890-4296-14), S-9 (8') (890-4296-15), S-9 (10') (890-4296-16) and S-9 (12') (890-4296-17).

**GC VOA**
Method 8021B: Surrogate recovery for the following samples were outside control limits: S-7 (3') (890-4296-1) and S-8 (1') (890-4296-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-49246 and analytical batch 880-49364 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-9 (2') (890-4296-12), S-9 (4') (890-4296-13), S-9 (6') (890-4296-14) and S-9 (8') (890-4296-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-8 (1') (890-4296-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-4295-A-12-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-8 (3') (890-4296-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-7 (3') (890-4296-1), S-8 (1') (890-4296-7) and S-9 (2') (890-4296-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-9 (4') (890-4296-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-9 (8') (890-4296-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-7 (3')

**Lab Sample ID: 890-4296-1**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.403 | U | 0.403 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:17 | 200 |
| **Toluene** | **29.6** | | 0.403 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:17 | 200 |
| **Ethylbenzene** | **24.4** | | 0.403 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:17 | 200 |
| **m-Xylene & p-Xylene** | **50.1** | | 0.806 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:17 | 200 |
| **o-Xylene** | **25.0** | | 0.403 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:17 | 200 |
| **Xylenes, Total** | **75.1** | | 0.806 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:17 | 200 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *177* | *S1+* | *70 - 130* | *03/22/23 16:31* | *03/24/23 23:17* | *200* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *03/22/23 16:31* | *03/24/23 23:17* | *200* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **129** | | 0.806 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **13100** | | 250 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **2150** | | 250 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 02:31 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **9680** | | 250 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 02:31 | 5 |
| **Oil Range Organics (Over C28-C36)** | **1310** | | 250 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 02:31 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *179* | *S1+* | *70 - 130* | *03/16/23 14:57* | *03/17/23 02:31* | *5* |
| *o-Terphenyl* | *184* | *S1+* | *70 - 130* | *03/16/23 14:57* | *03/17/23 02:31* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **192** | | 5.04 | | mg/Kg | | | 03/20/23 13:08 | 1 |

## Client Sample ID: S-7 (5')

**Lab Sample ID: 890-4296-2**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.200 | U | 0.200 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:38 | 100 |
| **Toluene** | **0.390** | | 0.200 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:38 | 100 |
| **Ethylbenzene** | **2.55** | | 0.200 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:38 | 100 |
| **m-Xylene & p-Xylene** | **6.27** | | 0.399 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:38 | 100 |
| **o-Xylene** | **3.05** | | 0.200 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:38 | 100 |
| **Xylenes, Total** | **9.32** | | 0.399 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:38 | 100 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *132* | *S1+* | *70 - 130* | *03/22/23 16:31* | *03/24/23 23:38* | *100* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *03/22/23 16:31* | *03/24/23 23:38* | *100* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-7 (5')

**Lab Sample ID: 890-4296-2**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 12.3 | | 0.399 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 2470 | | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 388 | | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 02:09 | 1 |
| Diesel Range Organics (Over C10-C28) | 1840 | | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 02:09 | 1 |
| Oil Range Organics (Over C28-C36) | 244 | | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 02:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *122* | | *70 - 130* | *03/16/23 14:57* | *03/17/23 02:09* | *1* |
| *o-Terphenyl* | *130* | | *70 - 130* | *03/16/23 14:57* | *03/17/23 02:09* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 182 | | 5.02 | | mg/Kg | | | 03/20/23 13:23 | 1 |

## Client Sample ID: S-7 (7')

**Lab Sample ID: 890-4296-3**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.199 | U | 0.199 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:59 | 100 |
| Toluene | <0.199 | U | 0.199 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:59 | 100 |
| Ethylbenzene | <0.199 | U | 0.199 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:59 | 100 |
| m-Xylene & p-Xylene | <0.398 | U | 0.398 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:59 | 100 |
| o-Xylene | <0.199 | U | 0.199 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:59 | 100 |
| Xylenes, Total | <0.398 | U | 0.398 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 23:59 | 100 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* | *03/22/23 16:31* | *03/24/23 23:59* | *100* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *03/22/23 16:31* | *03/24/23 23:59* | *100* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.398 | U | 0.398 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 100 | | 50.0 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 22:36 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-7 (7')

**Lab Sample ID: 890-4296-3**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Diesel Range Organics (Over C10-C28)** | **100** | | 50.0 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 22:36 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 22:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 22:36* | *1* |
| *o-Terphenyl* | *116* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 22:36* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1220** | | 24.9 | | mg/Kg | | | 03/20/23 13:28 | 5 |

## Client Sample ID: S-7 (9')

**Lab Sample ID: 890-4296-4**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0994 | U | 0.0994 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:20 | 50 |
| Toluene | <0.0994 | U | 0.0994 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:20 | 50 |
| Ethylbenzene | <0.0994 | U | 0.0994 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:20 | 50 |
| m-Xylene & p-Xylene | <0.199 | U | 0.199 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:20 | 50 |
| o-Xylene | <0.0994 | U | 0.0994 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:20 | 50 |
| Xylenes, Total | <0.199 | U | 0.199 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:20 | 50 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 00:20* | *50* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 00:20* | *50* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.199 | U | 0.199 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 22:58 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 22:58 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 22:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 22:58* | *1* |
| *o-Terphenyl* | *113* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 22:58* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **8260** | | 50.1 | | mg/Kg | | | 03/20/23 13:33 | 10 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-7 (11')

**Lab Sample ID: 890-4296-5**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0402 | U | 0.0402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:40 | 20 |
| Toluene | <0.0402 | U | 0.0402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:40 | 20 |
| Ethylbenzene | <0.0402 | U | 0.0402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:40 | 20 |
| m-Xylene & p-Xylene | <0.0805 | U | 0.0805 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:40 | 20 |
| o-Xylene | <0.0402 | U | 0.0402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:40 | 20 |
| Xylenes, Total | <0.0805 | U | 0.0805 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 00:40 | 20 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *124* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 00:40* | *20* |
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 00:40* | *20* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.0805 | U | 0.0805 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **67.3** | | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 23:19 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **67.3** | | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 23:19 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 23:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 23:19* | *1* |
| *o-Terphenyl* | *116* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 23:19* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **8810** | | 49.8 | | mg/Kg | | | 03/20/23 13:38 | 10 |

## Client Sample ID: S-7 (13')

**Lab Sample ID: 890-4296-6**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0399 | U | 0.0399 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:01 | 20 |
| Toluene | <0.0399 | U | 0.0399 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:01 | 20 |
| Ethylbenzene | <0.0399 | U | 0.0399 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:01 | 20 |
| m-Xylene & p-Xylene | <0.0798 | U | 0.0798 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:01 | 20 |
| o-Xylene | <0.0399 | U | 0.0399 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:01 | 20 |
| Xylenes, Total | <0.0798 | U | 0.0798 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:01 | 20 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *117* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 01:01* | *20* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 01:01* | *20* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-7 (13')

**Lab Sample ID: 890-4296-6**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.0798 | U | 0.0798 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **65.4** | | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 23:40 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **65.4** | | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 23:40 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 23:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 23:40* | *1* |
| *o-Terphenyl* | *113* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 23:40* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **7840** | | 49.9 | | mg/Kg | | | 03/20/23 13:43 | 10 |

## Client Sample ID: S-8 (1')

**Lab Sample ID: 890-4296-7**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **1.01** | | 0.403 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:22 | 200 |
| **Toluene** | **85.5** | | 1.99 | | mg/Kg | | 03/26/23 17:10 | 03/27/23 02:19 | 1000 |
| **Ethylbenzene** | **100** | | 1.99 | | mg/Kg | | 03/26/23 17:10 | 03/27/23 02:19 | 1000 |
| **m-Xylene & p-Xylene** | **113** | | 0.806 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:22 | 200 |
| **o-Xylene** | **51.7** | | 0.403 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:22 | 200 |
| **Xylenes, Total** | **165** | | 0.806 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 01:22 | 200 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *242* | *S1+* | *70 - 130* | *03/22/23 16:31* | *03/25/23 01:22* | *200* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 01:22* | *200* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **351** | | 1.99 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **24200** | | 500 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **3730** | | 500 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 02:52 | 10 |
| **Diesel Range Organics (Over C10-C28)** | **17400** | | 500 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 02:52 | 10 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-8 (1')

**Lab Sample ID: 890-4296-7**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Oll Range Organics (Over C28-C36)** | **3030** | | 500 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 02:52 | 10 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *273* | *S1+* | *70 - 130* | *03/16/23 14:57* | *03/17/23 02:52* | *10* |
| *o-Terphenyl* | *338* | *S1+* | *70 - 130* | *03/16/23 14:57* | *03/17/23 02:52* | *10* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **52.8** | | 5.02 | | mg/Kg | | | 03/20/23 13:48 | 1 |

## Client Sample ID: S-8 (3')

**Lab Sample ID: 890-4296-8**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 10:13 | 1 |
| **Toluene** | **0.00318** | | 0.00198 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 10:13 | 1 |
| **Ethylbenzene** | **0.00198** | | 0.00198 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 10:13 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 10:13 | 1 |
| **o-Xylene** | **0.00238** | | 0.00198 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 10:13 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 10:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 10:13* | *1* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 10:13* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00754** | | 0.00396 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 00:01 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 00:01 | 1 |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 00:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *121* | | *70 - 130* | *03/16/23 14:57* | *03/17/23 00:01* | *1* |
| *o-Terphenyl* | *137* | *S1+* | *70 - 130* | *03/16/23 14:57* | *03/17/23 00:01* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **18.3** | | 5.00 | | mg/Kg | | | 03/20/23 13:53 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-8 (5')

**Lab Sample ID: 890-4296-9**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:18 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:18 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:18 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:18 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:18 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *122* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 12:18* | *1* |
| *1,4-Difluorobenzene (Surr)* | *95* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 12:18* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 00:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 00:23 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 00:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *03/16/23 14:57* | *03/17/23 00:23* | *1* |
| *o-Terphenyl* | *116* | | *70 - 130* | *03/16/23 14:57* | *03/17/23 00:23* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.01 | U | 5.01 | | mg/Kg | | | 03/20/23 14:44 | 1 |

## Client Sample ID: S-8 (7')

**Lab Sample ID: 890-4296-10**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00189 | U | 0.00189 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:39 | 1 |
| Toluene | <0.00189 | U | 0.00189 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:39 | 1 |
| Ethylbenzene | <0.00189 | U | 0.00189 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:39 | 1 |
| m-Xylene & p-Xylene | <0.00377 | U | 0.00377 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:39 | 1 |
| o-Xylene | <0.00189 | U | 0.00189 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:39 | 1 |
| Xylenes, Total | <0.00377 | U | 0.00377 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 12:39 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *85* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 12:39* | *1* |
| *1,4-Difluorobenzene (Surr)* | *85* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 12:39* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-8 (7')

**Lab Sample ID: 890-4296-10**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00377 | U | 0.00377 | | mg/Kg | | | 03/25/23 16:19 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 00:43 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 00:43 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 00:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* | *03/16/23 14:57* | *03/17/23 00:43* | *1* |
| *o-Terphenyl* | *116* | | *70 - 130* | *03/16/23 14:57* | *03/17/23 00:43* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/21/23 16:43 | 1 |

## Client Sample ID: S-8 (9')

**Lab Sample ID: 890-4296-11**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:00 | 1 |
| **Toluene** | **0.00550** | | 0.00200 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:00 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:00 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:00 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:00 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 13:00* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 13:00* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00550** | | 0.00401 | | mg/Kg | | | 03/26/23 08:43 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 01:05 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 01:05 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-8 (9')

**Lab Sample ID: 890-4296-11**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 01:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *104* | | *70 - 130* | *03/16/23 14:57* | *03/17/23 01:05* | *1* |
| *o-Terphenyl* | *118* | | *70 - 130* | *03/16/23 14:57* | *03/17/23 01:05* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <4.99 | U | 4.99 | | mg/Kg | | | 03/20/23 15:04 | 1 |

## Client Sample ID: S-9 (2')

**Lab Sample ID: 890-4296-12**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **1.20** | | 0.404 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:21 | 200 |
| **Toluene** | **71.0** | | 0.404 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:21 | 200 |
| **Ethylbenzene** | **60.2** | | 0.404 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:21 | 200 |
| **m-Xylene & p-Xylene** | **89.9** | | 0.808 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:21 | 200 |
| **o-Xylene** | **41.8** | | 0.404 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:21 | 200 |
| **Xylenes, Total** | **132** | | 0.808 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:21 | 200 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *214* | *S1+* | *70 - 130* | *03/22/23 16:31* | *03/25/23 13:21* | *200* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 13:21* | *200* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **264** | | 0.808 | | mg/Kg | | | 03/26/23 08:43 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **21900** | | 500 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (GRO)-C6-C10** | **4140** | | 500 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 03:13 | 10 |
| **Diesel Range Organics (Over C10-C28)** | **15500** | | 500 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 03:13 | 10 |
| **Oll Range Organics (Over C28-C36)** | **2210** | | 500 | | mg/Kg | | 03/16/23 14:57 | 03/17/23 03:13 | 10 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *296* | *S1+* | *70 - 130* | *03/16/23 14:57* | *03/17/23 03:13* | *10* |
| *o-Terphenyl* | *298* | *S1+* | *70 - 130* | *03/16/23 14:57* | *03/17/23 03:13* | *10* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **59.2** | | 4.95 | | mg/Kg | | | 03/20/23 15:10 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-9 (4')

**Lab Sample ID: 890-4296-13**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 2.81 | | 0.399 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:41 | 200 |
| Toluene | 60.4 | | 0.399 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:41 | 200 |
| Ethylbenzene | 38.8 | | 0.399 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:41 | 200 |
| m-Xylene & p-Xylene | 64.1 | | 0.798 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:41 | 200 |
| o-Xylene | 26.6 | | 0.399 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:41 | 200 |
| Xylenes, Total | 90.7 | | 0.798 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 13:41 | 200 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *162* | *S1+* | *70 - 130* | *03/22/23 16:31* | *03/25/23 13:41* | *200* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 13:41* | *200* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 193 | | 0.798 | | mg/Kg | | | 03/26/23 08:43 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 6870 | | 250 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 3110 | | 250 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 04:25 | 5 |
| Diesel Range Organics (Over C10-C28) | 3760 | | 250 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 04:25 | 5 |
| OII Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 04:25 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *134* | *S1+* | *70 - 130* | *03/17/23 10:48* | *03/18/23 04:25* | *5* |
| *o-Terphenyl* | *119* | | *70 - 130* | *03/17/23 10:48* | *03/18/23 04:25* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 237 | | 5.00 | | mg/Kg | | | 03/20/23 15:15 | 1 |

## Client Sample ID: S-9 (6')

**Lab Sample ID: 890-4296-14**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.962 | | 0.402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:02 | 200 |
| Toluene | 41.7 | | 0.402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:02 | 200 |
| Ethylbenzene | 34.3 | | 0.402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:02 | 200 |
| m-Xylene & p-Xylene | 49.7 | | 0.805 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:02 | 200 |
| o-Xylene | 21.4 | | 0.402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:02 | 200 |
| Xylenes, Total | 71.1 | | 0.805 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:02 | 200 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *151* | *S1+* | *70 - 130* | *03/22/23 16:31* | *03/25/23 14:02* | *200* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 14:02* | *200* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-9 (6')

**Lab Sample ID: 890-4296-14**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 148 | | 0.805 | | mg/Kg | | | 03/26/23 08:43 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 6440 | | 250 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 3060 | | 250 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 04:47 | 5 |
| Diesel Range Organics (Over C10-C28) | 3380 | | 250 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 04:47 | 5 |
| OII Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 04:47 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *120* | | *70 - 130* | *03/17/23 10:48* | *03/18/23 04:47* | *5* |
| *o-Terphenyl* | *118* | | *70 - 130* | *03/17/23 10:48* | *03/18/23 04:47* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3110 | | 25.0 | | mg/Kg | | | 03/20/23 15:30 | 5 |

## Client Sample ID: S-9 (8')

**Lab Sample ID: 890-4296-15**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1.96 | | 0.402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:23 | 200 |
| Toluene | 123 | | 1.99 | | mg/Kg | | 03/24/23 10:32 | 03/27/23 14:33 | 1000 |
| Ethylbenzene | 76.5 | | 0.402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:23 | 200 |
| m-Xylene & p-Xylene | 85.9 | | 0.805 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:23 | 200 |
| o-Xylene | 36.8 | | 0.402 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:23 | 200 |
| Xylenes, Total | 123 | | 0.805 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:23 | 200 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *187* | *S1+* | *70 - 130* | *03/22/23 16:31* | *03/25/23 14:23* | *200* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 14:23* | *200* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 324 | | 0.805 | | mg/Kg | | | 03/26/23 08:43 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 8540 | | 250 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 4800 | | 250 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 05:10 | 5 |
| Diesel Range Organics (Over C10-C28) | 3740 | | 250 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 05:10 | 5 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-9 (8')

**Lab Sample ID: 890-4296-15**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <250 | U | 250 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 05:10 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *121* | | *70 - 130* | *03/17/23 10:48* | *03/18/23 05:10* | *5* |
| *o-Terphenyl* | *132* | *S1+* | *70 - 130* | *03/17/23 10:48* | *03/18/23 05:10* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2610** | | 24.8 | | mg/Kg | | | 03/20/23 15:35 | 5 |

## Client Sample ID: S-9 (10')

**Lab Sample ID: 890-4296-16**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0401 | U | 0.0401 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:44 | 20 |
| **Toluene** | **0.138** | | 0.0401 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:44 | 20 |
| **Ethylbenzene** | **0.0602** | | 0.0401 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:44 | 20 |
| m-Xylene & p-Xylene | <0.0802 | U | 0.0802 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:44 | 20 |
| o-Xylene | <0.0401 | U | 0.0401 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:44 | 20 |
| Xylenes, Total | <0.0802 | U | 0.0802 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 14:44 | 20 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *120* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 14:44* | *20* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 14:44* | *20* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.198** | | 0.0802 | | mg/Kg | | | 03/26/23 08:43 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 04:02 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 04:02 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/17/23 10:48 | 03/18/23 04:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *03/17/23 10:48* | *03/18/23 04:02* | *1* |
| *o-Terphenyl* | *101* | | *70 - 130* | *03/17/23 10:48* | *03/18/23 04:02* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1570** | | 24.9 | | mg/Kg | | | 03/20/23 15:40 | 5 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-9 (12')

**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

## Lab Sample ID: 890-4296-17

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **0.0568** | | 0.0396 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 15:05 | 20 |
| Toluene | <0.0396 | U | 0.0396 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 15:05 | 20 |
| Ethylbenzene | <0.0396 | U | 0.0396 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 15:05 | 20 |
| m-Xylene & p-Xylene | <0.0792 | U | 0.0792 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 15:05 | 20 |
| o-Xylene | <0.0396 | U | 0.0396 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 15:05 | 20 |
| Xylenes, Total | <0.0792 | U | 0.0792 | | mg/Kg | | 03/22/23 16:31 | 03/25/23 15:05 | 20 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *111* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 15:05* | *20* |
| *1,4-Difluorobenzene (Surr)* | *105* | | *70 - 130* | *03/22/23 16:31* | *03/25/23 15:05* | *20* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.0792 | U | 0.0792 | | mg/Kg | | | 03/26/23 08:43 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **64.7** | | 49.9 | | mg/Kg | | | 03/21/23 09:53 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 03/17/23 10:48 | 03/17/23 21:03 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **64.7** | | 49.9 | | mg/Kg | | 03/17/23 10:48 | 03/17/23 21:03 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 03/17/23 10:48 | 03/17/23 21:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *03/17/23 10:48* | *03/17/23 21:03* | *1* |
| *o-Terphenyl* | *100* | | *70 - 130* | *03/17/23 10:48* | *03/17/23 21:03* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2630** | | 25.0 | | mg/Kg | | | 03/20/23 15:45 | 5 |

# Surrogate Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-25959-A-1-D MS | Matrix Spike | 108 | 89 |
| 880-25959-A-1-E MSD | Matrix Spike Duplicate | 103 | 92 |
| 890-4296-1 | S-7 (3') | 177 S1+ | 91 |
| 890-4296-2 | S-7 (5') | 132 S1+ | 92 |
| 890-4296-3 | S-7 (7') | 108 | 94 |
| 890-4296-4 | S-7 (9') | 114 | 100 |
| 890-4296-5 | S-7 (11') | 124 | 107 |
| 890-4296-6 | S-7 (13') | 117 | 104 |
| 890-4296-7 | S-8 (1') | 242 S1+ | 89 |
| 890-4296-8 | S-8 (3') | 104 | 86 |
| 890-4296-9 | S-8 (5') | 122 | 95 |
| 890-4296-10 | S-8 (7') | 85 | 85 |
| 890-4296-11 | S-8 (9') | 109 | 101 |
| 890-4296-12 | S-9 (2') | 214 S1+ | 92 |
| 890-4296-13 | S-9 (4') | 162 S1+ | 100 |
| 890-4296-14 | S-9 (6') | 151 S1+ | 88 |
| 890-4296-15 | S-9 (8') | 187 S1+ | 91 |
| 890-4296-16 | S-9 (10') | 120 | 108 |
| 890-4296-17 | S-9 (12') | 111 | 105 |
| 890-4297-A-1-D MS | Matrix Spike | 112 | 94 |
| 890-4297-A-1-E MSD | Matrix Spike Duplicate | 540 S1+ | 73 |
| 890-4308-A-5-D MS | Matrix Spike | 110 | 92 |
| 890-4308-A-5-E MSD | Matrix Spike Duplicate | 108 | 89 |
| LCS 880-49246/1-A | Lab Control Sample | 105 | 92 |
| LCS 880-49395/1-A | Lab Control Sample | 112 | 97 |
| LCS 880-49552/1-A | Lab Control Sample | 102 | 91 |
| LCSD 880-49246/2-A | Lab Control Sample Dup | 110 | 94 |
| LCSD 880-49395/2-A | Lab Control Sample Dup | 104 | 91 |
| LCSD 880-49552/2-A | Lab Control Sample Dup | 111 | 91 |
| MB 880-49230/5-A | Method Blank | 104 | 83 |
| MB 880-49246/5-A | Method Blank | 101 | 86 |
| MB 880-49324/5-A | Method Blank | 100 | 86 |
| MB 880-49395/5-A | Method Blank | 98 | 80 |
| MB 880-49552/5-A | Method Blank | 101 | 81 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-4295-A-12-B MS | Matrix Spike | 129 | 130 |
| 890-4295-A-12-C MSD | Matrix Spike Duplicate | 113 | 115 |
| 890-4296-1 | S-7 (3') | 179 S1+ | 184 S1+ |
| 890-4296-2 | S-7 (5') | 122 | 130 |
| 890-4296-3 | S-7 (7') | 101 | 116 |

# Surrogate Summary

Client: NT Global
Job ID: 890-4296-1
Project/Site: Diamondback 24-25 CTB
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1CO1 | OTPH1 | | | | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | | | | | |
| 890-4296-4 | S-7 (9') | 99 | 113 | | | | | | | | |
| 890-4296-5 | S-7 (11') | 102 | 116 | | | | | | | | |
| 890-4296-6 | S-7 (13') | 100 | 113 | | | | | | | | |
| 890-4296-7 | S-8 (1') | 273 S1+ | 338 S1+ | | | | | | | | |
| 890-4296-8 | S-8 (3') | 121 | 137 S1+ | | | | | | | | |
| 890-4296-9 | S-8 (5') | 101 | 116 | | | | | | | | |
| 890-4296-10 | S-8 (7') | 102 | 116 | | | | | | | | |
| 890-4296-11 | S-8 (9') | 104 | 118 | | | | | | | | |
| 890-4296-12 | S-9 (2') | 296 S1+ | 298 S1+ | | | | | | | | |
| 890-4296-13 | S-9 (4') | 134 S1+ | 119 | | | | | | | | |
| 890-4296-14 | S-9 (6') | 120 | 118 | | | | | | | | |
| 890-4296-15 | S-9 (8') | 121 | 132 S1+ | | | | | | | | |
| 890-4296-16 | S-9 (10') | 101 | 101 | | | | | | | | |
| 890-4296-17 | S-9 (12') | 98 | 100 | | | | | | | | |
| 890-4296-17 MS | S-9 (12') | 125 | 106 | | | | | | | | |
| 890-4296-17 MSD | S-9 (12') | 97 | 98 | | | | | | | | |
| LCS 880-48780/2-A | Lab Control Sample | 110 | 123 | | | | | | | | |
| LCS 880-48829/2-A | Lab Control Sample | 97 | 111 | | | | | | | | |
| LCSD 880-48780/3-A | Lab Control Sample Dup | 108 | 120 | | | | | | | | |
| LCSD 880-48829/3-A | Lab Control Sample Dup | 102 | 113 | | | | | | | | |
| MB 880-48780/1-A | Method Blank | 109 | 129 | | | | | | | | |
| MB 880-48829/1-A | Method Blank | 112 | 114 | | | | | | | | |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-49230/5-A**
**Matrix: Solid**
**Analysis Batch: 49529**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49230**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 15:57 | 03/26/23 13:07 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 15:57 | 03/26/23 13:07 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 15:57 | 03/26/23 13:07 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/22/23 15:57 | 03/26/23 13:07 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 15:57 | 03/26/23 13:07 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/22/23 15:57 | 03/26/23 13:07 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *03/22/23 15:57* | *03/26/23 13:07* | *1* |
| *1,4-Difluorobenzene (Surr)* | *83* | | *70 - 130* | *03/22/23 15:57* | *03/26/23 13:07* | *1* |

**Lab Sample ID: MB 880-49246/5-A**
**Matrix: Solid**
**Analysis Batch: 49364**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49246**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 21:53 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 21:53 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 21:53 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 21:53 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 21:53 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/22/23 16:31 | 03/24/23 21:53 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *03/22/23 16:31* | *03/24/23 21:53* | *1* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* | *03/22/23 16:31* | *03/24/23 21:53* | *1* |

**Lab Sample ID: LCS 880-49246/1-A**
**Matrix: Solid**
**Analysis Batch: 49364**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49246**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08374 | | mg/Kg | | 84 | 70 - 130 |
| Toluene | 0.100 | 0.08973 | | mg/Kg | | 90 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.08791 | | mg/Kg | | 88 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1835 | | mg/Kg | | 92 | 70 - 130 |
| o-Xylene | 0.100 | 0.09362 | | mg/Kg | | 94 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49246/2-A**
**Matrix: Solid**
**Analysis Batch: 49364**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49246**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08588 | | mg/Kg | | 86 | 70 - 130 | 3 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCSD 880-49246/2-A**
**Matrix: Solid**
**Analysis Batch: 49364**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49246**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.09208 | | mg/Kg | | 92 | 70 - 130 | 3 | 35 |
| Ethylbenzene | | | 0.100 | 0.09292 | | mg/Kg | | 93 | 70 - 130 | 6 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1954 | | mg/Kg | | 98 | 70 - 130 | 6 | 35 |
| o-Xylene | | | 0.100 | 0.09887 | | mg/Kg | | 99 | 70 - 130 | 5 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* |

**Lab Sample ID: 890-4297-A-1-D MS**
**Matrix: Solid**
**Analysis Batch: 49364**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 49246**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U F1 F2 | 0.100 | 0.06676 | F1 | mg/Kg | | 66 | 70 - 130 |
| Toluene | 0.00789 | F1 F2 | 0.100 | 0.07659 | F1 | mg/Kg | | 68 | 70 - 130 |
| Ethylbenzene | 0.00653 | F1 F2 | 0.100 | 0.06807 | F1 | mg/Kg | | 61 | 70 - 130 |
| m-Xylene & p-Xylene | 0.0102 | F1 F2 | 0.201 | 0.1448 | F1 | mg/Kg | | 67 | 70 - 130 |
| o-Xylene | 0.00601 | F1 F2 | 0.100 | 0.07526 | F1 | mg/Kg | | 69 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *112* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* |

**Lab Sample ID: 890-4297-A-1-E MSD**
**Matrix: Solid**
**Analysis Batch: 49364**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 49246**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U F1 F2 | 0.0990 | 0.09833 | F2 | mg/Kg | | 99 | 70 - 130 | 38 | 35 |
| Toluene | 0.00789 | F1 F2 | 0.0990 | 0.04805 | F1 F2 | mg/Kg | | 41 | 70 - 130 | 46 | 35 |
| Ethylbenzene | 0.00653 | F1 F2 | 0.0990 | 0.1986 | F1 F2 | mg/Kg | | 194 | 70 - 130 | 98 | 35 |
| m-Xylene & p-Xylene | 0.0102 | F1 F2 | 0.198 | 0.3069 | F1 F2 | mg/Kg | | 150 | 70 - 130 | 72 | 35 |
| o-Xylene | 0.00601 | F1 F2 | 0.0990 | 0.2016 | F1 F2 | mg/Kg | | 198 | 70 - 130 | 91 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *540* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *73* | | *70 - 130* |

**Lab Sample ID: MB 880-49324/5-A**
**Matrix: Solid**
**Analysis Batch: 49364**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49324**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/23/23 12:25 | 03/24/23 11:01 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/23/23 12:25 | 03/24/23 11:01 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/23/23 12:25 | 03/24/23 11:01 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/23/23 12:25 | 03/24/23 11:01 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-49324/5-A**
**Matrix: Solid**
**Analysis Batch: 49364**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49324**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/23/23 12:25 | 03/24/23 11:01 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/23/23 12:25 | 03/24/23 11:01 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *03/23/23 12:25* | *03/24/23 11:01* | *1* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* | *03/23/23 12:25* | *03/24/23 11:01* | *1* |

**Lab Sample ID: MB 880-49395/5-A**
**Matrix: Solid**
**Analysis Batch: 49565**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49395**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/24/23 10:32 | 03/27/23 11:05 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/24/23 10:32 | 03/27/23 11:05 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/24/23 10:32 | 03/27/23 11:05 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/24/23 10:32 | 03/27/23 11:05 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/24/23 10:32 | 03/27/23 11:05 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/24/23 10:32 | 03/27/23 11:05 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *03/24/23 10:32* | *03/27/23 11:05* | *1* |
| *1,4-Difluorobenzene (Surr)* | *80* | | *70 - 130* | *03/24/23 10:32* | *03/27/23 11:05* | *1* |

**Lab Sample ID: LCS 880-49395/1-A**
**Matrix: Solid**
**Analysis Batch: 49565**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49395**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.09176 | | mg/Kg | | 92 | 70 - 130 |
| Toluene | 0.100 | 0.09833 | | mg/Kg | | 98 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09729 | | mg/Kg | | 97 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2024 | | mg/Kg | | 101 | 70 - 130 |
| o-Xylene | 0.100 | 0.1015 | | mg/Kg | | 102 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *112* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49395/2-A**
**Matrix: Solid**
**Analysis Batch: 49565**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49395**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08376 | | mg/Kg | | 84 | 70 - 130 | 9 | 35 |
| Toluene | 0.100 | 0.09163 | | mg/Kg | | 92 | 70 - 130 | 7 | 35 |
| Ethylbenzene | 0.100 | 0.08997 | | mg/Kg | | 90 | 70 - 130 | 8 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1879 | | mg/Kg | | 94 | 70 - 130 | 7 | 35 |
| o-Xylene | 0.100 | 0.09436 | | mg/Kg | | 94 | 70 - 130 | 7 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 91 | | 70 - 130 |

**Lab Sample ID: 880-25959-A-1-D MS** — **Client Sample ID: Matrix Spike**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49565** — **Prep Batch: 49395**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.0998 | 0.08772 | | mg/Kg | | 88 | 70 - 130 |
| Toluene | <0.00199 | U | 0.0998 | 0.09353 | | mg/Kg | | 94 | 70 - 130 |
| Ethylbenzene | <0.00199 | U | 0.0998 | 0.08929 | | mg/Kg | | 89 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.1887 | | mg/Kg | | 95 | 70 - 130 |
| o-Xylene | <0.00199 | U | 0.0998 | 0.09274 | | mg/Kg | | 93 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 89 | | 70 - 130 |

**Lab Sample ID: 880-25959-A-1-E MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49565** — **Prep Batch: 49395**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.100 | 0.09134 | | mg/Kg | | 91 | 70 - 130 | 4 | 35 |
| Toluene | <0.00199 | U | 0.100 | 0.09599 | | mg/Kg | | 96 | 70 - 130 | 3 | 35 |
| Ethylbenzene | <0.00199 | U | 0.100 | 0.09204 | | mg/Kg | | 92 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.201 | 0.1852 | | mg/Kg | | 92 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00199 | U | 0.100 | 0.09141 | | mg/Kg | | 91 | 70 - 130 | 1 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 92 | | 70 - 130 |

**Lab Sample ID: MB 880-49552/5-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49529** — **Prep Batch: 49552**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/26/23 17:10 | 03/26/23 23:54 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/26/23 17:10 | 03/26/23 23:54 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/26/23 17:10 | 03/26/23 23:54 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/26/23 17:10 | 03/26/23 23:54 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/26/23 17:10 | 03/26/23 23:54 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/26/23 17:10 | 03/26/23 23:54 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 | 03/26/23 17:10 | 03/26/23 23:54 | 1 |
| 1,4-Difluorobenzene (Surr) | 81 | | 70 - 130 | 03/26/23 17:10 | 03/26/23 23:54 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCS 880-49552/1-A**
**Matrix: Solid**
**Analysis Batch: 49529**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49552**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.08510 | | mg/Kg | | 85 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.09072 | | mg/Kg | | 91 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.08643 | | mg/Kg | | 86 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.1814 | | mg/Kg | | 91 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.09267 | | mg/Kg | | 93 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49552/2-A**
**Matrix: Solid**
**Analysis Batch: 49529**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49552**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.08482 | | mg/Kg | | 85 | 70 - 130 | 0 | 35 |
| Toluene | | | 0.100 | 0.09222 | | mg/Kg | | 92 | 70 - 130 | 2 | 35 |
| Ethylbenzene | | | 0.100 | 0.09247 | | mg/Kg | | 92 | 70 - 130 | 7 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1967 | | mg/Kg | | 98 | 70 - 130 | 8 | 35 |
| o-Xylene | | | 0.100 | 0.1003 | | mg/Kg | | 100 | 70 - 130 | 8 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *111* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* |

**Lab Sample ID: 890-4308-A-5-D MS**
**Matrix: Solid**
**Analysis Batch: 49529**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 49552**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0998 | 0.08721 | | mg/Kg | | 87 | 70 - 130 | | |
| Toluene | <0.00200 | U | 0.0998 | 0.09370 | | mg/Kg | | 94 | 70 - 130 | | |
| Ethylbenzene | <0.00200 | U | 0.0998 | 0.09186 | | mg/Kg | | 92 | 70 - 130 | | |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1944 | | mg/Kg | | 97 | 70 - 130 | | |
| o-Xylene | <0.00200 | U | 0.0998 | 0.09918 | | mg/Kg | | 99 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* |

**Lab Sample ID: 890-4308-A-5-E MSD**
**Matrix: Solid**
**Analysis Batch: 49529**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 49552**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.08641 | | mg/Kg | | 86 | 70 - 130 | 1 | 35 |
| Toluene | <0.00200 | U | 0.100 | 0.09289 | | mg/Kg | | 93 | 70 - 130 | 1 | 35 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.09261 | | mg/Kg | | 92 | 70 - 130 | 1 | 35 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 890-4308-A-5-E MSD**
**Matrix: Solid**
**Analysis Batch: 49529**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 49552**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1961 | | mg/Kg | | 98 | 70 - 130 | 1 | 35 |
| o-Xylene | <0.00200 | U | 0.100 | 0.09979 | | mg/Kg | | 100 | 70 - 130 | 1 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-48780/1-A**
**Matrix: Solid**
**Analysis Batch: 48705**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48780**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 20:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 20:06 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/16/23 14:57 | 03/16/23 20:06 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *109* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 20:06* | *1* |
| *o-Terphenyl* | *129* | | *70 - 130* | *03/16/23 14:57* | *03/16/23 20:06* | *1* |

**Lab Sample ID: LCS 880-48780/2-A**
**Matrix: Solid**
**Analysis Batch: 48705**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 48780**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1129 | | mg/Kg | | 113 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 926.8 | | mg/Kg | | 93 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *110* | | *70 - 130* |
| *o-Terphenyl* | *123* | | *70 - 130* |

**Lab Sample ID: LCSD 880-48780/3-A**
**Matrix: Solid**
**Analysis Batch: 48705**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 48780**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1090 | | mg/Kg | | 109 | 70 - 130 | 4 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 902.1 | | mg/Kg | | 90 | 70 - 130 | 3 | 20 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCSD 880-48780/3-A**
**Matrix: Solid**
**Analysis Batch: 48705**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 48780**

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 108 | | 70 - 130 |
| o-Terphenyl | 120 | | 70 - 130 |

**Lab Sample ID: 890-4295-A-12-B MS**
**Matrix: Solid**
**Analysis Batch: 48705**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 48780**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 998 | 1179 | | mg/Kg | | 114 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | 404 | | 998 | 1258 | | mg/Kg | | 86 | 70 - 130 | | |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 129 | | 70 - 130 |
| o-Terphenyl | 130 | | 70 - 130 |

**Lab Sample ID: 890-4295-A-12-C MSD**
**Matrix: Solid**
**Analysis Batch: 48705**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 48780**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 999 | 1009 | | mg/Kg | | 96 | 70 - 130 | 16 | 20 |
| Diesel Range Organics (Over C10-C28) | 404 | | 999 | 1119 | | mg/Kg | | 72 | 70 - 130 | 12 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 113 | | 70 - 130 |
| o-Terphenyl | 115 | | 70 - 130 |

**Lab Sample ID: MB 880-48829/1-A**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 48829**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 03/17/23 10:48 | 03/17/23 19:57 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 03/17/23 10:48 | 03/17/23 19:57 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 03/17/23 10:48 | 03/17/23 19:57 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 112 | | 70 - 130 | 03/17/23 10:48 | 03/17/23 19:57 | 1 |
| o-Terphenyl | 114 | | 70 - 130 | 03/17/23 10:48 | 03/17/23 19:57 | 1 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 880-48829/2-A**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 48829**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 955.3 | | mg/Kg | | 96 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 911.3 | | mg/Kg | | 91 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *97* | | *70 - 130* |
| *o-Terphenyl* | *111* | | *70 - 130* |

**Lab Sample ID: LCSD 880-48829/3-A**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 48829**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 913.9 | | mg/Kg | | 91 | 70 - 130 | 4 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 936.7 | | mg/Kg | | 94 | 70 - 130 | 3 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* |
| *o-Terphenyl* | *113* | | *70 - 130* |

**Lab Sample ID: 890-4296-17 MS**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: S-9 (12')**
**Prep Type: Total/NA**
**Prep Batch: 48829**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 998 | 1037 | | mg/Kg | | 102 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | 64.7 | | 998 | 1067 | | mg/Kg | | 100 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *125* | | *70 - 130* |
| *o-Terphenyl* | *106* | | *70 - 130* |

**Lab Sample ID: 890-4296-17 MSD**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: S-9 (12')**
**Prep Type: Total/NA**
**Prep Batch: 48829**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 999 | 944.4 | | mg/Kg | | 93 | 70 - 130 | 9 | 20 |
| Diesel Range Organics (Over C10-C28) | 64.7 | | 999 | 976.8 | | mg/Kg | | 91 | 70 - 130 | 9 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *97* | | *70 - 130* |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 890-4296-17 MSD**
**Matrix: Solid**
**Analysis Batch: 48815**

**Client Sample ID: S-9 (12')**
**Prep Type: Total/NA**
**Prep Batch: 48829**

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| o-Terphenyl | 98 | | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-48889/1-A**
**Matrix: Solid**
**Analysis Batch: 49132**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/20/23 11:22 | 1 |

**Lab Sample ID: LCS 880-48889/2-A**
**Matrix: Solid**
**Analysis Batch: 49132**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 257.3 | | mg/Kg | | 103 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-48889/3-A**
**Matrix: Solid**
**Analysis Batch: 49132**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 255.2 | | mg/Kg | | 102 | 90 - 110 | 1 | 20 |

**Lab Sample ID: 890-4295-A-1-C MS**
**Matrix: Solid**
**Analysis Batch: 49132**

**Client Sample ID: Matrix Spike**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 7720 | | 2490 | 10170 | | mg/Kg | | 98 | 90 - 110 | | |

**Lab Sample ID: 890-4295-A-1-D MSD**
**Matrix: Solid**
**Analysis Batch: 49132**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 7720 | | 2490 | 10150 | | mg/Kg | | 98 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-4295-A-11-C MS**
**Matrix: Solid**
**Analysis Batch: 49132**

**Client Sample ID: Matrix Spike**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 10.3 | | 251 | 250.8 | | mg/Kg | | 96 | 90 - 110 | | |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: 890-4295-A-11-D MSD**
**Matrix: Solid**
**Analysis Batch: 49132**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 10.3 | | 251 | 248.5 | | mg/Kg | | 95 | 90 - 110 | 1 | 20 |

**Lab Sample ID: MB 880-48890/1-A**
**Matrix: Solid**
**Analysis Batch: 49133**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/20/23 14:19 | 1 |

**Lab Sample ID: LCS 880-48890/2-A**
**Matrix: Solid**
**Analysis Batch: 49133**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 262.6 | | mg/Kg | | 105 | 90 - 110 |

**Lab Sample ID: LCSD 880-48890/3-A**
**Matrix: Solid**
**Analysis Batch: 49133**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 257.6 | | mg/Kg | | 103 | 90 - 110 | 2 | 20 |

**Lab Sample ID: 890-4296-9 MS**
**Matrix: Solid**
**Analysis Batch: 49133**

**Client Sample ID: S-8 (5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.01 | U | 251 | 271.7 | | mg/Kg | | 107 | 90 - 110 |

**Lab Sample ID: 890-4296-9 MSD**
**Matrix: Solid**
**Analysis Batch: 49133**

**Client Sample ID: S-8 (5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.01 | U | 251 | 266.9 | | mg/Kg | | 105 | 90 - 110 | 2 | 20 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## GC VOA

### Prep Batch: 49230

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-49230/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 49246

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-1 | S-7 (3') | Total/NA | Solid | 5035 | |
| 890-4296-2 | S-7 (5') | Total/NA | Solid | 5035 | |
| 890-4296-3 | S-7 (7') | Total/NA | Solid | 5035 | |
| 890-4296-4 | S-7 (9') | Total/NA | Solid | 5035 | |
| 890-4296-5 | S-7 (11') | Total/NA | Solid | 5035 | |
| 890-4296-6 | S-7 (13') | Total/NA | Solid | 5035 | |
| 890-4296-7 | S-8 (1') | Total/NA | Solid | 5035 | |
| 890-4296-8 | S-8 (3') | Total/NA | Solid | 5035 | |
| 890-4296-9 | S-8 (5') | Total/NA | Solid | 5035 | |
| 890-4296-10 | S-8 (7') | Total/NA | Solid | 5035 | |
| 890-4296-11 | S-8 (9') | Total/NA | Solid | 5035 | |
| 890-4296-12 | S-9 (2') | Total/NA | Solid | 5035 | |
| 890-4296-13 | S-9 (4') | Total/NA | Solid | 5035 | |
| 890-4296-14 | S-9 (6') | Total/NA | Solid | 5035 | |
| 890-4296-15 | S-9 (8') | Total/NA | Solid | 5035 | |
| 890-4296-16 | S-9 (10') | Total/NA | Solid | 5035 | |
| 890-4296-17 | S-9 (12') | Total/NA | Solid | 5035 | |
| MB 880-49246/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49246/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49246/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-4297-A-1-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-4297-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Prep Batch: 49324

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-49324/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Analysis Batch: 49364

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-1 | S-7 (3') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-2 | S-7 (5') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-3 | S-7 (7') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-4 | S-7 (9') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-5 | S-7 (11') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-6 | S-7 (13') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-7 | S-8 (1') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-8 | S-8 (3') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-9 | S-8 (5') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-10 | S-8 (7') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-11 | S-8 (9') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-12 | S-9 (2') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-13 | S-9 (4') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-14 | S-9 (6') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-15 | S-9 (8') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-16 | S-9 (10') | Total/NA | Solid | 8021B | 49246 |
| 890-4296-17 | S-9 (12') | Total/NA | Solid | 8021B | 49246 |
| MB 880-49246/5-A | Method Blank | Total/NA | Solid | 8021B | 49246 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## GC VOA (Continued)

### Analysis Batch: 49364 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-49324/5-A | Method Blank | Total/NA | Solid | 8021B | 49324 |
| LCS 880-49246/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49246 |
| LCSD 880-49246/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49246 |
| 890-4297-A-1-D MS | Matrix Spike | Total/NA | Solid | 8021B | 49246 |
| 890-4297-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 49246 |

### Prep Batch: 49395

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-15 | S-9 (8') | Total/NA | Solid | 5035 | |
| MB 880-49395/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49395/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49395/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-25959-A-1-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-25959-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 49505

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-1 | S-7 (3') | Total/NA | Solid | Total BTEX | |
| 890-4296-2 | S-7 (5') | Total/NA | Solid | Total BTEX | |
| 890-4296-3 | S-7 (7') | Total/NA | Solid | Total BTEX | |
| 890-4296-4 | S-7 (9') | Total/NA | Solid | Total BTEX | |
| 890-4296-5 | S-7 (11') | Total/NA | Solid | Total BTEX | |
| 890-4296-6 | S-7 (13') | Total/NA | Solid | Total BTEX | |
| 890-4296-7 | S-8 (1') | Total/NA | Solid | Total BTEX | |
| 890-4296-8 | S-8 (3') | Total/NA | Solid | Total BTEX | |
| 890-4296-9 | S-8 (5') | Total/NA | Solid | Total BTEX | |
| 890-4296-10 | S-8 (7') | Total/NA | Solid | Total BTEX | |
| 890-4296-11 | S-8 (9') | Total/NA | Solid | Total BTEX | |
| 890-4296-12 | S-9 (2') | Total/NA | Solid | Total BTEX | |
| 890-4296-13 | S-9 (4') | Total/NA | Solid | Total BTEX | |
| 890-4296-14 | S-9 (6') | Total/NA | Solid | Total BTEX | |
| 890-4296-15 | S-9 (8') | Total/NA | Solid | Total BTEX | |
| 890-4296-16 | S-9 (10') | Total/NA | Solid | Total BTEX | |
| 890-4296-17 | S-9 (12') | Total/NA | Solid | Total BTEX | |

### Analysis Batch: 49529

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-7 | S-8 (1') | Total/NA | Solid | 8021B | 49552 |
| MB 880-49230/5-A | Method Blank | Total/NA | Solid | 8021B | 49230 |
| MB 880-49552/5-A | Method Blank | Total/NA | Solid | 8021B | 49552 |
| LCS 880-49552/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49552 |
| LCSD 880-49552/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49552 |
| 890-4308-A-5-D MS | Matrix Spike | Total/NA | Solid | 8021B | 49552 |
| 890-4308-A-5-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 49552 |

### Prep Batch: 49552

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-7 | S-8 (1') | Total/NA | Solid | 5035 | |
| MB 880-49552/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49552/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49552/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## GC VOA (Continued)

### Prep Batch: 49552 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4308-A-5-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-4308-A-5-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 49565

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-15 | S-9 (8') | Total/NA | Solid | 8021B | 49395 |
| MB 880-49395/5-A | Method Blank | Total/NA | Solid | 8021B | 49395 |
| LCS 880-49395/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49395 |
| LCSD 880-49395/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49395 |
| 880-25959-A-1-D MS | Matrix Spike | Total/NA | Solid | 8021B | 49395 |
| 880-25959-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 49395 |

## GC Semi VOA

### Analysis Batch: 48705

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-1 | S-7 (3') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-2 | S-7 (5') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-3 | S-7 (7') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-4 | S-7 (9') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-5 | S-7 (11') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-6 | S-7 (13') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-7 | S-8 (1') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-8 | S-8 (3') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-9 | S-8 (5') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-10 | S-8 (7') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-11 | S-8 (9') | Total/NA | Solid | 8015B NM | 48780 |
| 890-4296-12 | S-9 (2') | Total/NA | Solid | 8015B NM | 48780 |
| MB 880-48780/1-A | Method Blank | Total/NA | Solid | 8015B NM | 48780 |
| LCS 880-48780/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 48780 |
| LCSD 880-48780/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 48780 |
| 890-4295-A-12-B MS | Matrix Spike | Total/NA | Solid | 8015B NM | 48780 |
| 890-4295-A-12-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 48780 |

### Prep Batch: 48780

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-1 | S-7 (3') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-2 | S-7 (5') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-3 | S-7 (7') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-4 | S-7 (9') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-5 | S-7 (11') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-6 | S-7 (13') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-7 | S-8 (1') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-8 | S-8 (3') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-9 | S-8 (5') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-10 | S-8 (7') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-11 | S-8 (9') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-12 | S-9 (2') | Total/NA | Solid | 8015NM Prep | |
| MB 880-48780/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-48780/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-48780/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## GC Semi VOA (Continued)

### Prep Batch: 48780 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4295-A-12-B MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-4295-A-12-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 48815

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-13 | S-9 (4') | Total/NA | Solid | 8015B NM | 48829 |
| 890-4296-14 | S-9 (6') | Total/NA | Solid | 8015B NM | 48829 |
| 890-4296-15 | S-9 (8') | Total/NA | Solid | 8015B NM | 48829 |
| 890-4296-16 | S-9 (10') | Total/NA | Solid | 8015B NM | 48829 |
| 890-4296-17 | S-9 (12') | Total/NA | Solid | 8015B NM | 48829 |
| MB 880-48829/1-A | Method Blank | Total/NA | Solid | 8015B NM | 48829 |
| LCS 880-48829/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 48829 |
| LCSD 880-48829/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 48829 |
| 890-4296-17 MS | S-9 (12') | Total/NA | Solid | 8015B NM | 48829 |
| 890-4296-17 MSD | S-9 (12') | Total/NA | Solid | 8015B NM | 48829 |

### Prep Batch: 48829

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-13 | S-9 (4') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-14 | S-9 (6') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-15 | S-9 (8') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-16 | S-9 (10') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-17 | S-9 (12') | Total/NA | Solid | 8015NM Prep | |
| MB 880-48829/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-48829/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-48829/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4296-17 MS | S-9 (12') | Total/NA | Solid | 8015NM Prep | |
| 890-4296-17 MSD | S-9 (12') | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 49094

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-1 | S-7 (3') | Total/NA | Solid | 8015 NM | |
| 890-4296-2 | S-7 (5') | Total/NA | Solid | 8015 NM | |
| 890-4296-3 | S-7 (7') | Total/NA | Solid | 8015 NM | |
| 890-4296-4 | S-7 (9') | Total/NA | Solid | 8015 NM | |
| 890-4296-5 | S-7 (11') | Total/NA | Solid | 8015 NM | |
| 890-4296-6 | S-7 (13') | Total/NA | Solid | 8015 NM | |
| 890-4296-7 | S-8 (1') | Total/NA | Solid | 8015 NM | |
| 890-4296-8 | S-8 (3') | Total/NA | Solid | 8015 NM | |
| 890-4296-9 | S-8 (5') | Total/NA | Solid | 8015 NM | |
| 890-4296-10 | S-8 (7') | Total/NA | Solid | 8015 NM | |
| 890-4296-11 | S-8 (9') | Total/NA | Solid | 8015 NM | |
| 890-4296-12 | S-9 (2') | Total/NA | Solid | 8015 NM | |
| 890-4296-13 | S-9 (4') | Total/NA | Solid | 8015 NM | |
| 890-4296-14 | S-9 (6') | Total/NA | Solid | 8015 NM | |
| 890-4296-15 | S-9 (8') | Total/NA | Solid | 8015 NM | |
| 890-4296-16 | S-9 (10') | Total/NA | Solid | 8015 NM | |
| 890-4296-17 | S-9 (12') | Total/NA | Solid | 8015 NM | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## HPLC/IC

### Leach Batch: 48889

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-1 | S-7 (3') | Soluble | Solid | DI Leach | |
| 890-4296-2 | S-7 (5') | Soluble | Solid | DI Leach | |
| 890-4296-3 | S-7 (7') | Soluble | Solid | DI Leach | |
| 890-4296-4 | S-7 (9') | Soluble | Solid | DI Leach | |
| 890-4296-5 | S-7 (11') | Soluble | Solid | DI Leach | |
| 890-4296-6 | S-7 (13') | Soluble | Solid | DI Leach | |
| 890-4296-7 | S-8 (1') | Soluble | Solid | DI Leach | |
| 890-4296-8 | S-8 (3') | Soluble | Solid | DI Leach | |
| MB 880-48889/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-48889/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-48889/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4295-A-1-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-4295-A-1-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |
| 890-4295-A-11-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-4295-A-11-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Leach Batch: 48890

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-9 | S-8 (5') | Soluble | Solid | DI Leach | |
| 890-4296-10 | S-8 (7') | Soluble | Solid | DI Leach | |
| 890-4296-11 | S-8 (9') | Soluble | Solid | DI Leach | |
| 890-4296-12 | S-9 (2') | Soluble | Solid | DI Leach | |
| 890-4296-13 | S-9 (4') | Soluble | Solid | DI Leach | |
| 890-4296-14 | S-9 (6') | Soluble | Solid | DI Leach | |
| 890-4296-15 | S-9 (8') | Soluble | Solid | DI Leach | |
| 890-4296-16 | S-9 (10') | Soluble | Solid | DI Leach | |
| 890-4296-17 | S-9 (12') | Soluble | Solid | DI Leach | |
| MB 880-48890/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-48890/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-48890/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4296-9 MS | S-8 (5') | Soluble | Solid | DI Leach | |
| 890-4296-9 MSD | S-8 (5') | Soluble | Solid | DI Leach | |

### Analysis Batch: 49132

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-1 | S-7 (3') | Soluble | Solid | 300.0 | 48889 |
| 890-4296-2 | S-7 (5') | Soluble | Solid | 300.0 | 48889 |
| 890-4296-3 | S-7 (7') | Soluble | Solid | 300.0 | 48889 |
| 890-4296-4 | S-7 (9') | Soluble | Solid | 300.0 | 48889 |
| 890-4296-5 | S-7 (11') | Soluble | Solid | 300.0 | 48889 |
| 890-4296-6 | S-7 (13') | Soluble | Solid | 300.0 | 48889 |
| 890-4296-7 | S-8 (1') | Soluble | Solid | 300.0 | 48889 |
| 890-4296-8 | S-8 (3') | Soluble | Solid | 300.0 | 48889 |
| MB 880-48889/1-A | Method Blank | Soluble | Solid | 300.0 | 48889 |
| LCS 880-48889/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 48889 |
| LCSD 880-48889/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 48889 |
| 890-4295-A-1-C MS | Matrix Spike | Soluble | Solid | 300.0 | 48889 |
| 890-4295-A-1-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 48889 |
| 890-4295-A-11-C MS | Matrix Spike | Soluble | Solid | 300.0 | 48889 |
| 890-4295-A-11-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 48889 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## HPLC/IC

### Analysis Batch: 49133

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4296-9 | S-8 (5') | Soluble | Solid | 300.0 | 48890 |
| 890-4296-10 | S-8 (7') | Soluble | Solid | 300.0 | 48890 |
| 890-4296-11 | S-8 (9') | Soluble | Solid | 300.0 | 48890 |
| 890-4296-12 | S-9 (2') | Soluble | Solid | 300.0 | 48890 |
| 890-4296-13 | S-9 (4') | Soluble | Solid | 300.0 | 48890 |
| 890-4296-14 | S-9 (6') | Soluble | Solid | 300.0 | 48890 |
| 890-4296-15 | S-9 (8') | Soluble | Solid | 300.0 | 48890 |
| 890-4296-16 | S-9 (10') | Soluble | Solid | 300.0 | 48890 |
| 890-4296-17 | S-9 (12') | Soluble | Solid | 300.0 | 48890 |
| MB 880-48890/1-A | Method Blank | Soluble | Solid | 300.0 | 48890 |
| LCS 880-48890/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 48890 |
| LCSD 880-48890/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 48890 |
| 890-4296-9 MS | S-8 (5') | Soluble | Solid | 300.0 | 48890 |
| 890-4296-9 MSD | S-8 (5') | Soluble | Solid | 300.0 | 48890 |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-7 (3')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-1**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.96 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 200 | 5 mL | 5 mL | 49364 | 03/24/23 23:17 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48705 | 03/17/23 02:31 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 48889 | 03/18/23 15:22 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49132 | 03/20/23 13:08 | SMC | EET MID |

## Client Sample ID: S-7 (5')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-2**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 100 | 5 mL | 5 mL | 49364 | 03/24/23 23:38 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48705 | 03/17/23 02:09 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 48889 | 03/18/23 15:22 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49132 | 03/20/23 13:23 | SMC | EET MID |

## Client Sample ID: S-7 (7')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-3**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 100 | 5 mL | 5 mL | 49364 | 03/24/23 23:59 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48705 | 03/16/23 22:36 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48889 | 03/18/23 15:22 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49132 | 03/20/23 13:28 | SMC | EET MID |

## Client Sample ID: S-7 (9')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-4**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 50 | 5 mL | 5 mL | 49364 | 03/25/23 00:20 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-7 (9')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-4**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48705 | 03/16/23 22:58 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 48889 | 03/18/23 15:22 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 10 | 50 mL | 50 mL | 49132 | 03/20/23 13:33 | SMC | EET MID |

## Client Sample ID: S-7 (11')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-5**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 20 | 5 mL | 5 mL | 49364 | 03/25/23 00:40 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48705 | 03/16/23 23:19 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 48889 | 03/18/23 15:22 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 10 | 50 mL | 50 mL | 49132 | 03/20/23 13:38 | SMC | EET MID |

## Client Sample ID: S-7 (13')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-6**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 20 | 5 mL | 5 mL | 49364 | 03/25/23 01:01 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48705 | 03/16/23 23:40 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 48889 | 03/18/23 15:22 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 10 | 50 mL | 50 mL | 49132 | 03/20/23 13:43 | SMC | EET MID |

## Client Sample ID: S-8 (1')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-7**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.96 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 200 | 5 mL | 5 mL | 49364 | 03/25/23 01:22 | MNR | EET MID |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49552 | 03/26/23 17:10 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1000 | 5 mL | 5 mL | 49529 | 03/27/23 02:19 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-8 (1')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-7**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 10 | 1 uL | 1 uL | 48705 | 03/17/23 02:52 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 48889 | 03/18/23 15:22 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49132 | 03/20/23 13:48 | SMC | EET MID |

## Client Sample ID: S-8 (3')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-8**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49364 | 03/25/23 10:13 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48705 | 03/17/23 00:01 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48889 | 03/18/23 15:22 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49132 | 03/20/23 13:53 | SMC | EET MID |

## Client Sample ID: S-8 (5')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-9**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49364 | 03/25/23 12:18 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48705 | 03/17/23 00:23 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 48890 | 03/18/23 15:24 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49133 | 03/20/23 14:44 | SMC | EET MID |

## Client Sample ID: S-8 (7')
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Lab Sample ID: 890-4296-10**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.3 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49364 | 03/25/23 12:39 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/25/23 16:19 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48705 | 03/17/23 00:43 | SM | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-8 (7')

**Lab Sample ID: 890-4296-10**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48890 | 03/18/23 15:24 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49133 | 03/21/23 16:43 | SMC | EET MID |

## Client Sample ID: S-8 (9')

**Lab Sample ID: 890-4296-11**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49364 | 03/25/23 13:00 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/26/23 08:43 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48705 | 03/17/23 01:05 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 48890 | 03/18/23 15:24 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49133 | 03/20/23 15:04 | SMC | EET MID |

## Client Sample ID: S-9 (2')

**Lab Sample ID: 890-4296-12**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 200 | 5 mL | 5 mL | 49364 | 03/25/23 13:21 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/26/23 08:43 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48780 | 03/16/23 14:57 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 10 | 1 uL | 1 uL | 48705 | 03/17/23 03:13 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 48890 | 03/18/23 15:24 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49133 | 03/20/23 15:10 | SMC | EET MID |

## Client Sample ID: S-9 (4')

**Lab Sample ID: 890-4296-13**
**Matrix: Solid**
**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 200 | 5 mL | 5 mL | 49364 | 03/25/23 13:41 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/26/23 08:43 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48829 | 03/17/23 10:48 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48815 | 03/18/23 04:25 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48890 | 03/18/23 15:24 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49133 | 03/20/23 15:15 | SMC | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-9 (6')

**Lab Sample ID: 890-4296-14**

**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 200 | 5 mL | 5 mL | 49364 | 03/25/23 14:02 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/26/23 08:43 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48829 | 03/17/23 10:48 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48815 | 03/18/23 04:47 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48890 | 03/18/23 15:24 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49133 | 03/20/23 15:30 | SMC | EET MID |

## Client Sample ID: S-9 (8')

**Lab Sample ID: 890-4296-15**

**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 200 | 5 mL | 5 mL | 49364 | 03/25/23 14:23 | MNR | EET MID |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49395 | 03/24/23 10:32 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1000 | 5 mL | 5 mL | 49565 | 03/27/23 14:33 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/26/23 08:43 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 48829 | 03/17/23 10:48 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 48815 | 03/18/23 05:10 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 48890 | 03/18/23 15:24 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49133 | 03/20/23 15:35 | SMC | EET MID |

## Client Sample ID: S-9 (10')

**Lab Sample ID: 890-4296-16**

**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 20 | 5 mL | 5 mL | 49364 | 03/25/23 14:44 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/26/23 08:43 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 48829 | 03/17/23 10:48 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/18/23 04:02 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 48890 | 03/18/23 15:24 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49133 | 03/20/23 15:40 | SMC | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Client Sample ID: S-9 (12')

**Date Collected: 03/13/23 00:00**
**Date Received: 03/13/23 16:47**

## Lab Sample ID: 890-4296-17

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 49246 | 03/22/23 16:31 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 20 | 5 mL | 5 mL | 49364 | 03/25/23 15:05 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49505 | 03/26/23 08:43 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49094 | 03/21/23 09:53 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 48829 | 03/17/23 10:48 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 48815 | 03/17/23 21:03 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 48890 | 03/18/23 15:24 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 5 | 50 mL | 50 mL | 49133 | 03/20/23 15:45 | SMC | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

# Method Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 890-4296-1
SDG: 226700

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 890-4296-1 | S-7 (3') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-2 | S-7 (5') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-3 | S-7 (7') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-4 | S-7 (9') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-5 | S-7 (11') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-6 | S-7 (13') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-7 | S-8 (1') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-8 | S-8 (3') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-9 | S-8 (5') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-10 | S-8 (7') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-11 | S-8 (9') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-12 | S-9 (2') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-13 | S-9 (4') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-14 | S-9 (6') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-15 | S-9 (8') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-16 | S-9 (10') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |
| 890-4296-17 | S-9 (12') | Solid | 03/13/23 00:00 | 03/13/23 16:47 |

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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____

3/27/2023

Page 1 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level ☐ PST/U☐ TR☐ Le☐el

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County | Due Date: | |
| Sampler's Name: | Tyler Kimball | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | IR#7 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | -0.2 |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | 3.8 |
| Total Containers: | 17 | Corrected Temperature: | 3.6 |

**ANALYSIS REQUEST**

**Preservative Codes**

None: NO DI Water: $H_2O$

Cool: Cool MeOH: Me

HCL: HC $HNO_3$: HN

$H_2S0_4$: $H_2$ NaOH: Na

$H_3PO_4$: HP

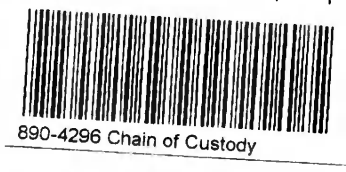
$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S-7 (3') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-7 (5') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-7 (7') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-7 (9') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-7 (11') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-7 (13') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-8 (1') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-8 (3') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-8 (5') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |
| S-8 (7') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | |




**Additional Comments:** Billing Code: EAROPEMTX

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | | 3/13/23 1647 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date 05012020 Rev. 2020.1

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Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** _____

3/27/2023

Page 2 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd. | Address: | 600 N. Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP: | Midland TX,79701 |
| Phone: | 432-766-1918 | Email: | cmartin@earthstoneenergy.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfie☐s R☐ Supe☐

State of Project:

Reporting:Level ☐ Level I☐ PST/U☐ TR☐P Le☐l

Deliverables: EDD☐ ADaPT☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County | Due Date: | |
| Sampler's Name: | Tyler Kimball | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | |
| Total Containers: | 17 | Corrected Temperature: | |

**Preservative Codes**

None: NO DI Water: $H_2O$

Cool: Cool MeOH: Me

HCL: HC $HNO_3$: HN

$H_2S0_4$: $H_2$ NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-8 (9') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-9 (2') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-9 (4') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-9 (6') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-9 (8') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-9 (10') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| S-9 (12') | 3/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | Amanda Salt | 3/10/23 1647 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date 05012020 Rev. 2020.1

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Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4296-1
SDG Number: 226700

**Login Number: 4296**
**List Number: 1**
**Creator: Stutzman, Amanda**

**List Source: Eurofins Carlsbad**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | N/A | Refer to job narrative |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | N/A | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling. | N/A | |

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4296-1
SDG Number: 226700

**Login Number: 4296**
**List Number: 2**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**
**List Creation: 03/15/23 11:19 AM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

CARDINAL Laboratories

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

March 22, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK

Enclosed are the results of analyses for samples received by the laboratory on 03/17/23 13:50.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/15/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: S - 10 (8') (H231231-01)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1310** | 16.0 | 03/21/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/21/2023 | ND | 159 | 79.6 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/21/2023 | ND | 157 | 78.6 | 200 | 18.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/15/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: S - 10 (14') (H231231-02)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4800** | 16.0 | 03/21/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/21/2023 | ND | 159 | 79.6 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/21/2023 | ND | 157 | 78.6 | 200 | 18.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *96.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.8 %* *49.1-148*

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

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/16/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: S - 10 (16') (H231231-03)

**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 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *109 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2340** | 16.0 | 03/21/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/21/2023 | ND | 159 | 79.6 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/21/2023 | ND | 157 | 78.6 | 200 | 18.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *96.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/16/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: S - 10 (17') (H231231-04)

**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 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1790** | 16.0 | 03/21/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/21/2023 | ND | 159 | 79.6 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/21/2023 | ND | 157 | 78.6 | 200 | 18.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *110 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/16/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: S - 10 (19') (H231231-05)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2880** | 16.0 | 03/21/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/16/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: NS - 10 (6') (H231231-06)

**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 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2370** | 16.0 | 03/21/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *94.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/16/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: NS - 10 (10') (H231231-07)

**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 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **9470** | 16.0 | 03/21/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *94.5 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/16/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: SS - 10 (6') (H231231-08)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3520** | 16.0 | 03/21/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2023 | ND | 204 | 102 | 200 | 0.634 | |
| **DRO >C10-C28*** | **18.4** | 10.0 | 03/20/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.9 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/16/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: SS - 10 (10') (H231231-09)

**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 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **5920** | 16.0 | 03/21/2023 | ND | 432 | 108 | 400 | 0.00 | QM-07 |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.2 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/17/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: TP 2 (6') (H231231-10)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2800** | 16.0 | 03/21/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.0 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/17/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: TP 2 (8') (H231231-11)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **5040** | 16.0 | 03/21/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *91.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/17/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: TP 2 (9') (H231231-12)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3080** | 16.0 | 03/21/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/21/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/21/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *103 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/17/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: TP 2 (12') (H231231-13)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.08 | 104 | 2.00 | 7.69 | |
| Toluene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 104 | 2.00 | 7.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2023 | ND | 2.09 | 105 | 2.00 | 8.76 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2023 | ND | 6.38 | 106 | 6.00 | 8.47 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4160** | 16.0 | 03/21/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/21/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/21/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *99.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *109 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/17/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: TP 2 (14') (H231231-14)

**BTEX 8021B** mg/kg Analyzed By: JH

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/21/2023 | ND | 2.11 | 105 | 2.00 | 5.61 | |
| Toluene* | <0.050 | 0.050 | 03/21/2023 | ND | 2.11 | 106 | 2.00 | 5.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/21/2023 | ND | 2.19 | 110 | 2.00 | 5.44 | |
| Total Xylenes* | <0.150 | 0.150 | 03/21/2023 | ND | 6.71 | 112 | 6.00 | 4.61 | |
| Total BTEX | <0.300 | 0.300 | 03/21/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1440** | 16.0 | 03/21/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/21/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/21/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/17/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: TP 2 (16') (H231231-15)

**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 | 03/21/2023 | ND | 2.11 | 105 | 2.00 | 5.61 | |
| Toluene* | <0.050 | 0.050 | 03/21/2023 | ND | 2.11 | 106 | 2.00 | 5.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/21/2023 | ND | 2.19 | 110 | 2.00 | 5.44 | |
| Total Xylenes* | <0.150 | 0.150 | 03/21/2023 | ND | 6.71 | 112 | 6.00 | 4.61 | |
| Total BTEX | <0.300 | 0.300 | 03/21/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2340** | 16.0 | 03/21/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/21/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/21/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *105 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 03/17/2023 | Sampling Date: | 03/17/2023 |
| Reported: | 03/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EARTHSTONE - LEA COUNTY | | |

### Sample ID: TP 2 (15') (H231231-16)

**BTEX 8021B** mg/kg Analyzed By: JH

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 03/21/2023 | ND | 2.11 | 105 | 2.00 | 5.61 | |
| Toluene* | <0.050 | 0.050 | 03/21/2023 | ND | 2.11 | 106 | 2.00 | 5.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/21/2023 | ND | 2.19 | 110 | 2.00 | 5.44 | |
| Total Xylenes* | <0.150 | 0.150 | 03/21/2023 | ND | 6.71 | 112 | 6.00 | 4.61 | |
| Total BTEX | <0.300 | 0.300 | 03/21/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3600** | 16.0 | 03/21/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 03/21/2023 | ND | 204 | 102 | 200 | 0.634 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/21/2023 | ND | 191 | 95.7 | 200 | 0.640 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *103 %* *49.1-148*

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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, Lab Director/Quality Manager

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# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

cmartin@earthstoneenergy.com

| | | | |
|---|---|---|---|
| Company Name: | NTGE | **BILL TO** P.O. #: | |
| Project Manager: | Becky Haskell | Company: | Earthstone |
| Address: | 4812 E Wood Ave | Attn: | Chris Martin |
| City: | Carlsbad State: NM Zip: 88220 | Address: | |
| Phone #: | 432 924 8056 Fax #: | City: | |
| Project #: | 226700 Project Owner: | State: Zip: | |
| Project Name: | Diamondback | Phone #: | |
| Project Location: | Lea County | Fax #: | |
| Sampler Name: | Tyler Kimball | | |

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME | ANALYSIS REQUEST: TPH | Chlorides | BTEX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H231231 | | | | | | | | | | | | | | | | | |
| 1 | S-10 (8') | G | 1 | | | X | | | | | | | 3-15-23 | | | | |
| 2 | S-10 (14') | | | | | | | | | | | | 3-15-23 | | | | |
| 3 | S-10 (16') | | | | | | | | | | | | 3-16-23 | | | | |
| 4 | S-10 (17') | | | | | | | | | | | | 3-16-23 | | | | |
| 5 | S-10 (19') | | | | | | | | | | | | 3-16-23 | | | | |
| 6 | NS-10 (6') | | | | | | | | | | | | 3-16-23 | | | | |
| 7 | NS-10 (10') | | | | | | | | | | | | 3-16-23 | | | | |
| 8 | SS-10 (6') | | | | | | | | | | | | 3-16-23 | | | | |
| 9 | SS-10 (10') | | | | | | | | | | | | 3-16-23 | | | | |
| 10 | TP2 (6') | | | | | | | | | | | | 3-17-23 | | | | |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 3-17-23 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | Time: 1:50 | | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | REMARKS: |
| | Time: | | |

| | | | | |
|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 0.1 | Sample Condition Cool ☑ Yes Intact ☑ Yes | CHECKED BY: (Initials) | Turnaround Time: Standard ☑ Rush ☐ |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C 0.5 | ☐ No ☐ No | SR | Thermometer ID #113 Correction Factor -0.6°C |

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

cmartin@earthstoneenergy.com

| | |
|---|---|
| Company Name: | NTGE |
| Project Manager: | Becky Haskell |
| Address: | 402 E Wood Ave |
| City: | Carlsbad State: NM Zip: 88220 |
| Phone #: | 432 924 9056 Fax #: |
| Project #: | 226700 Project Owner: |
| Project Name: | Diamondback |
| Project Location: | Lea County |
| Sampler Name: | Tyler Kimball |

**BILL TO**

| | |
|---|---|
| P.O. #: | |
| Company: | Earthstone |
| Attn: | Chris Martin |
| Address: | |
| City: | |
| State: | Zip: |
| Phone #: | |
| Fax #: | |

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | SAMPLING TIME | TPH | Chlorides | BTEX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H231231 | | | | | | | | | | | | | | | | | |
| 11 | TP2 (8') | G | 1 | | | X | | | | | | | 3-17-23 | | X | X | X |
| 12 | TP2 (9') | G | 1 | | | X | | | | | | | 3-17-23 | | X | X | X |
| 13 | TP2 (12') | G | 1 | | | X | | | | | | | | | X | X | X |
| 14 | TP2 (14') | G | 1 | | | X | | | | | | | | | X | X | X |
| 15 | TP2 (16') | G | 1 | | | X | | | | | | | | | X | X | X |
| 16 | TP2 (15') | G | 1 | | | X | | | | | | | 3/17/23 | | X | X | X |
| | *SR 3/17/23 | | | | | | | | | | | | | | | | |

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 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 consequental 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: 3-17-23 | Received By: |
| | Time: 1:50 | |
| Relinquished By: | Date: | Received By: |
| | Time: | |

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:
*customer left sample off C.O.C. Requested to add it.

| | | | |
|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 0.1 | Sample Condition: Cool ☑ Yes ☐ No, Intact ☐ Yes ☐ No | CHECKED BY: (Initials) SR |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C 0.5 | | |

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No, Intact ☐ Yes ☐ No, Observed Temp. °C, Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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

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eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gordon Banks
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 6/20/2023 11:43:50 AM

## JOB DESCRIPTION

Diamondback 24-25 CTB
SDG NUMBER Lea County

## JOB NUMBER

880-29520-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.



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my EOL

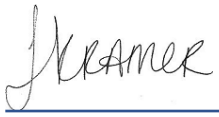
# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated
6/20/2023 11:43:50 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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# Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Job ID: 880-29520-1

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative**
**880-29520-1**

**Receipt**
The samples were received on 6/14/2023 2:06 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: TMW-1 (3'-5') (880-29520-1), TMW-1 (8'-10') (880-29520-2), TMW-1 (13'-15') (880-29520-3), TMW-1 (18'-20') (880-29520-4), TMW-1 (23'-25') (880-29520-5), TMW-1 (28'-30') (880-29520-6), TMW-1 (33'-35') (880-29520-7), TMW-1 (38'-40') (880-29520-8), TMW-1 (43'-45') (880-29520-9) and TMW-1 (48'-50') (880-29520-10).

**GC VOA**
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-55739 and analytical batch 880-55778 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-55739/5-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: TMW-1 (3'-5') (880-29520-1) and (MB 880-55613/1-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-55522 and analytical batch 880-55575 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (3'-5')

**Lab Sample ID: 880-29520-1**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:18 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:18 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:18 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:18 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:18 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *89* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 15:18* | *1* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 15:18* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 06/15/23 19:16 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 16:50 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 16:50 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 16:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *118* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 16:50* | *1* |
| *o-Terphenyl* | *0.3* | *S1-* | *70 - 130* | *06/15/23 13:34* | *06/15/23 16:50* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **992** | | 4.98 | | mg/Kg | | | 06/15/23 17:38 | 1 |

## Client Sample ID: TMW-1 (8'-10')

**Lab Sample ID: 880-29520-2**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:38 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:38 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:38 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:38 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:38 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *84* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 15:38* | *1* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 15:38* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (8'-10')

**Lab Sample ID: 880-29520-2**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **63.3** | | 49.9 | | mg/Kg | | | 06/15/23 19:16 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 18:24 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **63.3** | | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 18:24 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 18:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *123* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 18:24* | *1* |
| *o-Terphenyl* | *111* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 18:24* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **308** | | 5.00 | | mg/Kg | | | 06/15/23 17:44 | 1 |

## Client Sample ID: TMW-1 (13'-15')

**Lab Sample ID: 880-29520-3**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:59 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:59 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:59 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:59 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:59 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 15:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *85* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 15:59* | *1* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 15:59* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **50.9** | | 49.8 | | mg/Kg | | | 06/15/23 19:16 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 18:47 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **50.9** | | 49.8 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 18:47 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (13'-15')

**Lab Sample ID: 880-29520-3**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 18:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *112* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 18:47* | *1* |
| *o-Terphenyl* | *101* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 18:47* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **880** | **F1** | 4.99 | | mg/Kg | | | 06/15/23 17:50 | 1 |

## Client Sample ID: TMW-1 (18'-20')

**Lab Sample ID: 880-29520-4**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:20 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:20 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:20 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:20 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:20 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *84* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 16:20* | *1* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 16:20* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **151** | | 50.0 | | mg/Kg | | | 06/16/23 15:39 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 19:11 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **151** | | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 19:11 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 19:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *133* | *S1+* | *70 - 130* | *06/15/23 13:34* | *06/15/23 19:11* | *1* |
| *o-Terphenyl* | *123* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 19:11* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **239** | | 5.02 | | mg/Kg | | | 06/15/23 18:06 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (23'-25')

**Lab Sample ID: 880-29520-5**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:40 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:40 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:40 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:40 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:40 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 16:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *82* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 16:40* | *1* |
| *1,4-Difluorobenzene (Surr)* | *85* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 16:40* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **55.7** | | 50.0 | | mg/Kg | | | 06/16/23 15:39 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 19:35 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **55.7** | | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 19:35 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 19:35 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *113* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 19:35* | *1* |
| *o-Terphenyl* | *98* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 19:35* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **240** | | 4.95 | | mg/Kg | | | 06/15/23 18:12 | 1 |

## Client Sample ID: TMW-1 (28'-30')

**Lab Sample ID: 880-29520-6**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:27 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:27 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:27 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:27 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:27 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *77* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 18:27* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 18:27* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (28'-30')

**Lab Sample ID: 880-29520-6**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 06/16/23 15:39 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 19:58 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 19:58 | 1 |
| OII Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 19:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *127* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 19:58* | *1* |
| *o-Terphenyl* | *115* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 19:58* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **449** | | 5.03 | | mg/Kg | | | 06/15/23 18:28 | 1 |

## Client Sample ID: TMW-1 (33'-35')

**Lab Sample ID: 880-29520-7**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:47 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:47 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:47 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:47 | 1 |
| **o-Xylene** | **0.00232** | | 0.00198 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:47 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 18:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *84* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 18:47* | *1* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 18:47* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 06/16/23 15:39 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 20:45 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 20:45 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (33'-35')

**Lab Sample ID: 880-29520-7**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 20:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *117* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 20:45* | *1* |
| *o-Terphenyl* | *104* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 20:45* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **360** | | 4.97 | | mg/Kg | | | 06/15/23 18:34 | 1 |

## Client Sample ID: TMW-1 (38'-40')

**Lab Sample ID: 880-29520-8**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:08 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:08 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:08 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:08 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:08 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *84* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 19:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 19:08* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 06/16/23 15:39 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 21:08 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 21:08 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 21:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *124* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 21:08* | *1* |
| *o-Terphenyl* | *114* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 21:08* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **308** | | 4.98 | | mg/Kg | | | 06/15/23 18:39 | 1 |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (43'-45')

**Lab Sample ID: 880-29520-9**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:29 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:29 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:29 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:29 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:29 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *86* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 19:29* | *1* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 19:29* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 06/16/23 15:39 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 21:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 21:31 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 21:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *129* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 21:31* | *1* |
| *o-Terphenyl* | *119* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 21:31* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **91.3** | | 5.04 | | mg/Kg | | | 06/15/23 18:45 | 1 |

## Client Sample ID: TMW-1 (48'-50')

**Lab Sample ID: 880-29520-10**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:49 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:49 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:49 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:49 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:49 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 19:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *80* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 19:49* | *1* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 19:49* | *1* |

# Client Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (48'-50')

**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

## Lab Sample ID: 880-29520-10

**Matrix: Solid**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 06/20/23 12:15 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 06/16/23 15:39 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 21:54 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 21:54 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 21:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *107* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 21:54* | *1* |
| *o-Terphenyl* | *96* | | *70 - 130* | *06/15/23 13:34* | *06/15/23 21:54* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **69.6** | | 5.02 | | mg/Kg | | | 06/15/23 18:51 | 1 |

# Surrogate Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | BFB1 | DFBZ1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-29520-1 | TMW-1 (3'-5') | 89 | 87 |
| 880-29520-2 | TMW-1 (8'-10') | 84 | 88 |
| 880-29520-3 | TMW-1 (13'-15') | 85 | 88 |
| 880-29520-4 | TMW-1 (18'-20') | 84 | 88 |
| 880-29520-5 | TMW-1 (23'-25') | 82 | 85 |
| 880-29520-6 | TMW-1 (28'-30') | 77 | 91 |
| 880-29520-7 | TMW-1 (33'-35') | 84 | 87 |
| 880-29520-8 | TMW-1 (38'-40') | 84 | 92 |
| 880-29520-9 | TMW-1 (43'-45') | 86 | 94 |
| 880-29520-10 | TMW-1 (48'-50') | 80 | 92 |
| 880-29648-A-21-G MS | Matrix Spike | 98 | 105 |
| 880-29648-A-21-H MSD | Matrix Spike Duplicate | 102 | 110 |
| LCS 880-55739/1-A | Lab Control Sample | 92 | 107 |
| LCSD 880-55739/2-A | Lab Control Sample Dup | 86 | 110 |
| MB 880-55739/5-A | Method Blank | 65 S1- | 101 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | 1CO1 | OTPH1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-29520-1 | TMW-1 (3'-5') | 118 | 0.3 S1- |
| 880-29520-1 MS | TMW-1 (3'-5') | 105 | 87 |
| 880-29520-1 MSD | TMW-1 (3'-5') | 116 | 96 |
| 880-29520-2 | TMW-1 (8'-10') | 123 | 111 |
| 880-29520-3 | TMW-1 (13'-15') | 112 | 101 |
| 880-29520-4 | TMW-1 (18'-20') | 133 S1+ | 123 |
| 880-29520-5 | TMW-1 (23'-25') | 113 | 98 |
| 880-29520-6 | TMW-1 (28'-30') | 127 | 115 |
| 880-29520-7 | TMW-1 (33'-35') | 117 | 104 |
| 880-29520-8 | TMW-1 (38'-40') | 124 | 114 |
| 880-29520-9 | TMW-1 (43'-45') | 129 | 119 |
| 880-29520-10 | TMW-1 (48'-50') | 107 | 96 |
| LCS 880-55613/2-A | Lab Control Sample | 129 | 117 |
| LCSD 880-55613/3-A | Lab Control Sample Dup | 118 | 108 |
| MB 880-55613/1-A | Method Blank | 154 S1+ | 0.4 S1- |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-55739/5-A**
**Matrix: Solid**
**Analysis Batch: 55778**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 55739**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 13:33 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 13:33 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 13:33 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 13:33 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 13:33 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 06/16/23 17:19 | 06/19/23 13:33 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *65* | *S1-* | *70 - 130* | *06/16/23 17:19* | *06/19/23 13:33* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *06/16/23 17:19* | *06/19/23 13:33* | *1* |

**Lab Sample ID: LCS 880-55739/1-A**
**Matrix: Solid**
**Analysis Batch: 55778**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 55739**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1200 | | mg/Kg | | 120 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.1042 | | mg/Kg | | 104 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.1046 | | mg/Kg | | 105 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2139 | | mg/Kg | | 107 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.1030 | | mg/Kg | | 103 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* |

**Lab Sample ID: LCSD 880-55739/2-A**
**Matrix: Solid**
**Analysis Batch: 55778**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 55739**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1109 | | mg/Kg | | 111 | 70 - 130 | 8 | 35 |
| Toluene | | | 0.100 | 0.09082 | | mg/Kg | | 91 | 70 - 130 | 14 | 35 |
| Ethylbenzene | | | 0.100 | 0.08914 | | mg/Kg | | 89 | 70 - 130 | 16 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1761 | | mg/Kg | | 88 | 70 - 130 | 19 | 35 |
| o-Xylene | | | 0.100 | 0.08438 | | mg/Kg | | 84 | 70 - 130 | 20 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *86* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *110* | | *70 - 130* |

**Lab Sample ID: 880-29648-A-21-G MS**
**Matrix: Solid**
**Analysis Batch: 55778**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 55739**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.0994 | 0.07259 | | mg/Kg | | 73 | 70 - 130 | | |
| Toluene | <0.00202 | U F1 | 0.0994 | 0.05404 | F1 | mg/Kg | | 53 | 70 - 130 | | |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 880-29648-A-21-G MS**
**Matrix: Solid**
**Analysis Batch: 55778**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 55739**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00202 | U F1 | 0.0994 | 0.04604 | F1 | mg/Kg | | 46 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00404 | U F1 | 0.199 | 0.08962 | F1 | mg/Kg | | 45 | 70 - 130 |
| o-Xylene | <0.00202 | U F1 | 0.0994 | 0.04582 | F1 | mg/Kg | | 46 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *105* | | *70 - 130* |

**Lab Sample ID: 880-29648-A-21-H MSD**
**Matrix: Solid**
**Analysis Batch: 55778**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 55739**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.0996 | 0.07523 | | mg/Kg | | 76 | 70 - 130 | 4 | 35 |
| Toluene | <0.00202 | U F1 | 0.0996 | 0.05349 | F1 | mg/Kg | | 53 | 70 - 130 | 1 | 35 |
| Ethylbenzene | <0.00202 | U F1 | 0.0996 | 0.04804 | F1 | mg/Kg | | 48 | 70 - 130 | 4 | 35 |
| m-Xylene & p-Xylene | <0.00404 | U F1 | 0.199 | 0.09580 | F1 | mg/Kg | | 48 | 70 - 130 | 7 | 35 |
| o-Xylene | <0.00202 | U F1 | 0.0996 | 0.04898 | F1 | mg/Kg | | 49 | 70 - 130 | 7 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *110* | | *70 - 130* |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-55613/1-A**
**Matrix: Solid**
**Analysis Batch: 55544**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 55613**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 15:40 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 15:40 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 06/15/23 13:34 | 06/15/23 15:40 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *154* | *S1+* | *70 - 130* | *06/15/23 13:34* | *06/15/23 15:40* | *1* |
| *o-Terphenyl* | *0.4* | *S1-* | *70 - 130* | *06/15/23 13:34* | *06/15/23 15:40* | *1* |

**Lab Sample ID: LCS 880-55613/2-A**
**Matrix: Solid**
**Analysis Batch: 55544**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 55613**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 887.0 | | mg/Kg | | 89 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 938.9 | | mg/Kg | | 94 | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 880-55613/2-A**
**Matrix: Solid**
**Analysis Batch: 55544**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 55613**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 129 | | 70 - 130 |
| o-Terphenyl | 117 | | 70 - 130 |

**Lab Sample ID: LCSD 880-55613/3-A**
**Matrix: Solid**
**Analysis Batch: 55544**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 55613**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 855.8 | | mg/Kg | | 86 | 70 - 130 | 4 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 887.1 | | mg/Kg | | 89 | 70 - 130 | 6 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 118 | | 70 - 130 |
| o-Terphenyl | 108 | | 70 - 130 |

**Lab Sample ID: 880-29520-1 MS**
**Matrix: Solid**
**Analysis Batch: 55544**

**Client Sample ID: TMW-1 (3'-5')**
**Prep Type: Total/NA**
**Prep Batch: 55613**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 1000 | 1170 | | mg/Kg | | 117 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 1000 | 734.1 | | mg/Kg | | 73 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 105 | | 70 - 130 |
| o-Terphenyl | 87 | | 70 - 130 |

**Lab Sample ID: 880-29520-1 MSD**
**Matrix: Solid**
**Analysis Batch: 55544**

**Client Sample ID: TMW-1 (3'-5')**
**Prep Type: Total/NA**
**Prep Batch: 55613**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 998 | 1045 | | mg/Kg | | 105 | 70 - 130 | 11 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 998 | 802.7 | | mg/Kg | | 80 | 70 - 130 | 9 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 116 | | 70 - 130 |
| o-Terphenyl | 96 | | 70 - 130 |

# QC Sample Results

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-55522/1-A**
**Matrix: Solid**
**Analysis Batch: 55575**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 06/15/23 16:15 | 1 |

**Lab Sample ID: LCS 880-55522/2-A**
**Matrix: Solid**
**Analysis Batch: 55575**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 263.1 | | mg/Kg | | 105 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-55522/3-A**
**Matrix: Solid**
**Analysis Batch: 55575**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 265.0 | | mg/Kg | | 106 | 90 - 110 | 1 | 20 |

**Lab Sample ID: 880-29520-3 MS**
**Matrix: Solid**
**Analysis Batch: 55575**

**Client Sample ID: TMW-1 (13'-15')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 880 | F1 | 250 | 1103 | F1 | mg/Kg | | 89 | 90 - 110 | | |

**Lab Sample ID: 880-29520-3 MSD**
**Matrix: Solid**
**Analysis Batch: 55575**

**Client Sample ID: TMW-1 (13'-15')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 880 | F1 | 250 | 1092 | F1 | mg/Kg | | 85 | 90 - 110 | 1 | 20 |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## GC VOA

### Prep Batch: 55739

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-29520-1 | TMW-1 (3'-5') | Total/NA | Solid | 5035 | |
| 880-29520-2 | TMW-1 (8'-10') | Total/NA | Solid | 5035 | |
| 880-29520-3 | TMW-1 (13'-15') | Total/NA | Solid | 5035 | |
| 880-29520-4 | TMW-1 (18'-20') | Total/NA | Solid | 5035 | |
| 880-29520-5 | TMW-1 (23'-25') | Total/NA | Solid | 5035 | |
| 880-29520-6 | TMW-1 (28'-30') | Total/NA | Solid | 5035 | |
| 880-29520-7 | TMW-1 (33'-35') | Total/NA | Solid | 5035 | |
| 880-29520-8 | TMW-1 (38'-40') | Total/NA | Solid | 5035 | |
| 880-29520-9 | TMW-1 (43'-45') | Total/NA | Solid | 5035 | |
| 880-29520-10 | TMW-1 (48'-50') | Total/NA | Solid | 5035 | |
| MB 880-55739/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-55739/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-55739/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-29648-A-21-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-29648-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 55778

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-29520-1 | TMW-1 (3'-5') | Total/NA | Solid | 8021B | 55739 |
| 880-29520-2 | TMW-1 (8'-10') | Total/NA | Solid | 8021B | 55739 |
| 880-29520-3 | TMW-1 (13'-15') | Total/NA | Solid | 8021B | 55739 |
| 880-29520-4 | TMW-1 (18'-20') | Total/NA | Solid | 8021B | 55739 |
| 880-29520-5 | TMW-1 (23'-25') | Total/NA | Solid | 8021B | 55739 |
| 880-29520-6 | TMW-1 (28'-30') | Total/NA | Solid | 8021B | 55739 |
| 880-29520-7 | TMW-1 (33'-35') | Total/NA | Solid | 8021B | 55739 |
| 880-29520-8 | TMW-1 (38'-40') | Total/NA | Solid | 8021B | 55739 |
| 880-29520-9 | TMW-1 (43'-45') | Total/NA | Solid | 8021B | 55739 |
| 880-29520-10 | TMW-1 (48'-50') | Total/NA | Solid | 8021B | 55739 |
| MB 880-55739/5-A | Method Blank | Total/NA | Solid | 8021B | 55739 |
| LCS 880-55739/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 55739 |
| LCSD 880-55739/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 55739 |
| 880-29648-A-21-G MS | Matrix Spike | Total/NA | Solid | 8021B | 55739 |
| 880-29648-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 55739 |

### Analysis Batch: 55921

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-29520-1 | TMW-1 (3'-5') | Total/NA | Solid | Total BTEX | |
| 880-29520-2 | TMW-1 (8'-10') | Total/NA | Solid | Total BTEX | |
| 880-29520-3 | TMW-1 (13'-15') | Total/NA | Solid | Total BTEX | |
| 880-29520-4 | TMW-1 (18'-20') | Total/NA | Solid | Total BTEX | |
| 880-29520-5 | TMW-1 (23'-25') | Total/NA | Solid | Total BTEX | |
| 880-29520-6 | TMW-1 (28'-30') | Total/NA | Solid | Total BTEX | |
| 880-29520-7 | TMW-1 (33'-35') | Total/NA | Solid | Total BTEX | |
| 880-29520-8 | TMW-1 (38'-40') | Total/NA | Solid | Total BTEX | |
| 880-29520-9 | TMW-1 (43'-45') | Total/NA | Solid | Total BTEX | |
| 880-29520-10 | TMW-1 (48'-50') | Total/NA | Solid | Total BTEX | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## GC Semi VOA

### Analysis Batch: 55544

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-29520-1 | TMW-1 (3'-5') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-2 | TMW-1 (8'-10') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-3 | TMW-1 (13'-15') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-4 | TMW-1 (18'-20') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-5 | TMW-1 (23'-25') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-6 | TMW-1 (28'-30') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-7 | TMW-1 (33'-35') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-8 | TMW-1 (38'-40') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-9 | TMW-1 (43'-45') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-10 | TMW-1 (48'-50') | Total/NA | Solid | 8015B NM | 55613 |
| MB 880-55613/1-A | Method Blank | Total/NA | Solid | 8015B NM | 55613 |
| LCS 880-55613/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 55613 |
| LCSD 880-55613/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-1 MS | TMW-1 (3'-5') | Total/NA | Solid | 8015B NM | 55613 |
| 880-29520-1 MSD | TMW-1 (3'-5') | Total/NA | Solid | 8015B NM | 55613 |

### Prep Batch: 55613

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-29520-1 | TMW-1 (3'-5') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-2 | TMW-1 (8'-10') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-3 | TMW-1 (13'-15') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-4 | TMW-1 (18'-20') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-5 | TMW-1 (23'-25') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-6 | TMW-1 (28'-30') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-7 | TMW-1 (33'-35') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-8 | TMW-1 (38'-40') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-9 | TMW-1 (43'-45') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-10 | TMW-1 (48'-50') | Total/NA | Solid | 8015NM Prep | |
| MB 880-55613/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-55613/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-55613/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-29520-1 MS | TMW-1 (3'-5') | Total/NA | Solid | 8015NM Prep | |
| 880-29520-1 MSD | TMW-1 (3'-5') | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 55640

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-29520-1 | TMW-1 (3'-5') | Total/NA | Solid | 8015 NM | |
| 880-29520-2 | TMW-1 (8'-10') | Total/NA | Solid | 8015 NM | |
| 880-29520-3 | TMW-1 (13'-15') | Total/NA | Solid | 8015 NM | |
| 880-29520-4 | TMW-1 (18'-20') | Total/NA | Solid | 8015 NM | |
| 880-29520-5 | TMW-1 (23'-25') | Total/NA | Solid | 8015 NM | |
| 880-29520-6 | TMW-1 (28'-30') | Total/NA | Solid | 8015 NM | |
| 880-29520-7 | TMW-1 (33'-35') | Total/NA | Solid | 8015 NM | |
| 880-29520-8 | TMW-1 (38'-40') | Total/NA | Solid | 8015 NM | |
| 880-29520-9 | TMW-1 (43'-45') | Total/NA | Solid | 8015 NM | |
| 880-29520-10 | TMW-1 (48'-50') | Total/NA | Solid | 8015 NM | |

# QC Association Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## HPLC/IC

### Leach Batch: 55522

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-29520-1 | TMW-1 (3'-5') | Soluble | Solid | DI Leach | |
| 880-29520-2 | TMW-1 (8'-10') | Soluble | Solid | DI Leach | |
| 880-29520-3 | TMW-1 (13'-15') | Soluble | Solid | DI Leach | |
| 880-29520-4 | TMW-1 (18'-20') | Soluble | Solid | DI Leach | |
| 880-29520-5 | TMW-1 (23'-25') | Soluble | Solid | DI Leach | |
| 880-29520-6 | TMW-1 (28'-30') | Soluble | Solid | DI Leach | |
| 880-29520-7 | TMW-1 (33'-35') | Soluble | Solid | DI Leach | |
| 880-29520-8 | TMW-1 (38'-40') | Soluble | Solid | DI Leach | |
| 880-29520-9 | TMW-1 (43'-45') | Soluble | Solid | DI Leach | |
| 880-29520-10 | TMW-1 (48'-50') | Soluble | Solid | DI Leach | |
| MB 880-55522/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-55522/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-55522/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-29520-3 MS | TMW-1 (13'-15') | Soluble | Solid | DI Leach | |
| 880-29520-3 MSD | TMW-1 (13'-15') | Soluble | Solid | DI Leach | |

### Analysis Batch: 55575

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-29520-1 | TMW-1 (3'-5') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-2 | TMW-1 (8'-10') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-3 | TMW-1 (13'-15') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-4 | TMW-1 (18'-20') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-5 | TMW-1 (23'-25') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-6 | TMW-1 (28'-30') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-7 | TMW-1 (33'-35') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-8 | TMW-1 (38'-40') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-9 | TMW-1 (43'-45') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-10 | TMW-1 (48'-50') | Soluble | Solid | 300.0 | 55522 |
| MB 880-55522/1-A | Method Blank | Soluble | Solid | 300.0 | 55522 |
| LCS 880-55522/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 55522 |
| LCSD 880-55522/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 55522 |
| 880-29520-3 MS | TMW-1 (13'-15') | Soluble | Solid | 300.0 | 55522 |
| 880-29520-3 MSD | TMW-1 (13'-15') | Soluble | Solid | 300.0 | 55522 |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (3'-5')
**Lab Sample ID: 880-29520-1**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 15:18 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/15/23 19:16 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 16:50 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 17:38 | CH | EET MID |

## Client Sample ID: TMW-1 (8'-10')
**Lab Sample ID: 880-29520-2**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 15:38 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/15/23 19:16 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 18:24 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 17:44 | CH | EET MID |

## Client Sample ID: TMW-1 (13'-15')
**Lab Sample ID: 880-29520-3**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 15:59 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/15/23 19:16 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 18:47 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 17:50 | CH | EET MID |

## Client Sample ID: TMW-1 (18'-20')
**Lab Sample ID: 880-29520-4**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 16:20 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (18'-20')
**Lab Sample ID: 880-29520-4**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/16/23 15:39 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 19:11 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 18:06 | CH | EET MID |

## Client Sample ID: TMW-1 (23'-25')
**Lab Sample ID: 880-29520-5**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 16:40 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/16/23 15:39 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 19:35 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 18:12 | CH | EET MID |

## Client Sample ID: TMW-1 (28'-30')
**Lab Sample ID: 880-29520-6**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.96 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 18:27 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/16/23 15:39 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 19:58 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 18:28 | CH | EET MID |

## Client Sample ID: TMW-1 (33'-35')
**Lab Sample ID: 880-29520-7**
**Date Collected: 06/13/23 00:00**
**Matrix: Solid**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 18:47 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/16/23 15:39 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 20:45 | AJ | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Client Sample ID: TMW-1 (33'-35')

**Lab Sample ID: 880-29520-7**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 18:34 | CH | EET MID |

## Client Sample ID: TMW-1 (38'-40')

**Lab Sample ID: 880-29520-8**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 19:08 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/16/23 15:39 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 21:08 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 18:39 | CH | EET MID |

## Client Sample ID: TMW-1 (43'-45')

**Lab Sample ID: 880-29520-9**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 19:29 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/16/23 15:39 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 21:31 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 18:45 | CH | EET MID |

## Client Sample ID: TMW-1 (48'-50')

**Lab Sample ID: 880-29520-10**
**Matrix: Solid**
**Date Collected: 06/13/23 00:00**
**Date Received: 06/14/23 14:06**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 55739 | 06/16/23 17:19 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 55778 | 06/19/23 19:49 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 55921 | 06/20/23 12:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 55640 | 06/16/23 15:39 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 55613 | 06/15/23 13:34 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 55544 | 06/15/23 21:54 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 55522 | 06/15/23 10:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 55575 | 06/15/23 18:51 | CH | EET MID |

# Lab Chronicle

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

# Method Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: NT Global
Project/Site: Diamondback 24-25 CTB

Job ID: 880-29520-1
SDG: Lea County

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 880-29520-1 | TMW-1 (3'-5') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |
| 880-29520-2 | TMW-1 (8'-10') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |
| 880-29520-3 | TMW-1 (13'-15') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |
| 880-29520-4 | TMW-1 (18'-20') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |
| 880-29520-5 | TMW-1 (23'-25') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |
| 880-29520-6 | TMW-1 (28'-30') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |
| 880-29520-7 | TMW-1 (33'-35') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |
| 880-29520-8 | TMW-1 (38'-40') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |
| 880-29520-9 | TMW-1 (43'-45') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |
| 880-29520-10 | TMW-1 (48'-50') | Solid | 06/13/23 00:00 | 06/14/23 14:06 |

Released to Imaging: 4/2/2025 2:01:51 PM
Received by OCD: 12/14/2024 12:00:14 AM

# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** 29520



| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name | Earthstone Operating LLC |
| Address: | 701 Tradewinds Blvd | Address | 600 N Marienfeld, Suite 1000 |
| City, State ZIP: | Midland TX, 79701 | City, State ZIP | Midland TX,79701 |
| Phone: | 432-766-1918 | Email | Jkindley@ntglobal.com, Bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PS☐ PR☐ Brownfiel☐ RP☐ Super☐

State of Project:

Reporting Level ☐ Level I☐ PST/US☐ TRP☐ Le☐l

Deliverables EDD☒ ADaPT☐ Other

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County | Due Date | |
| Sampler's Name: | Jeff Kindley | TAT starts the day received by the lab if received by 4 30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Received Intact: | (Yes) No | Thermometer ID: | IR8 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | -.30 |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | 5.6 |
| Total Containers: | 56 | Corrected Temperature: | 5.3 |

**ANALYSIS REQUEST**

**Preservative Codes**

None NO DI Water $H_2O$

Cool Cool MeOH Me

HCL HC $HNO_3$ HN

$H_2S0_4$ $H_2$ NaOH Na

$H_3PO_4$ HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TMW-1 (3'-5') | 6/13/2023 | | x | | Grab | 1 | | x | x | x | | |
| TMW-1 (8'-10') | 6/13/2023 | | x | | Grab | 1 | | x | x | x | | |
| TMW-1 (13'-15') | 6/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| TMW-1 (18'-20') | 6/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| TMW-1 (23'-25') | 6/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| TMW-1 (28'-30') | 6/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| TMW-1 (33'-35') | 6/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| TMW-1 (38'-40') | 6/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| TMW-1 (43'-45') | 6/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |
| TMW-1 (48'-50') | 6/13/2023 | | x | | Grab/ | 1 | | x | x | x | | |

880-29520 Chain of Custody

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | | | 2 | | 12/14/23 |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date 05012020 Rev 2020.1

# Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-29520-1
SDG Number: Lea County

**Login Number: 29520**
**List Number: 1**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

CARDINAL Laboratories

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

August 09, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/02/23 11:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H - 9 (0') (H234077-01)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.16 | 108 | 2.00 | 1.49 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.10 | 105 | 2.00 | 1.03 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.01 | 101 | 2.00 | 1.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.06 | 101 | 6.00 | 2.06 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *79.5 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *99.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *106 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H - 10 (0') (H234077-02)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.16 | 108 | 2.00 | 1.49 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.10 | 105 | 2.00 | 1.03 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.01 | 101 | 2.00 | 1.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.06 | 101 | 6.00 | 2.06 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *82.4 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| **DRO >C10-C28*** | **11.2** | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *103 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H - 11 (0') (H234077-03)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.16 | 108 | 2.00 | 1.49 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.10 | 105 | 2.00 | 1.03 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.01 | 101 | 2.00 | 1.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.06 | 101 | 6.00 | 2.06 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *85.4 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *104 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H - 12 (0') (H234077-04)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.16 | 108 | 2.00 | 1.49 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.10 | 105 | 2.00 | 1.03 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.01 | 101 | 2.00 | 1.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.06 | 101 | 6.00 | 2.06 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *85.2 %* *71.5-134*

**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 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| **DRO >C10-C28*** | **179** | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| **EXT DRO >C28-C36** | **118** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *100 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *117 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H - 13 (0') (H234077-05)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.16 | 108 | 2.00 | 1.49 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.10 | 105 | 2.00 | 1.03 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.01 | 101 | 2.00 | 1.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.06 | 101 | 6.00 | 2.06 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *83.5 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1380** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**TPH 8015M** mg/kg Analyzed By: MS S-06

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <100 | 100 | 08/08/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| **DRO >C10-C28*** | **10600** | 100 | 08/08/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| **EXT DRO >C28-C36** | **2890** | 100 | 08/08/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *524 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H - 14 (0') (H234077-06)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.16 | 108 | 2.00 | 1.49 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.10 | 105 | 2.00 | 1.03 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.01 | 101 | 2.00 | 1.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.06 | 101 | 6.00 | 2.06 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *83.4 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1490** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**TPH 8015M** mg/kg Analyzed By: MS S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| **DRO >C10-C28*** | **1470** | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| **EXT DRO >C28-C36** | **862** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *197 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H - 15 (0') (H234077-07)

**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 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| **DRO >C10-C28*** | **64.0** | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| **EXT DRO >C28-C36** | **50.2** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *104 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 16 (0-6") (H234077-08)

**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 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 16 (1-1.5') (H234077-09)

**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 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *99.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *107 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 16 (2-2.5') (H234077-10)

**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 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *106 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 16 (3-3.5') (H234077-11)

**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 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**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 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *106 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 16 (4-4.5') (H234077-12)

**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 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **112** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/08/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/08/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/08/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 17 (4-4.5') (H234077-13)

**BTEX 8021B** mg/kg Analyzed By: JH/ S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene*** | **0.066** | 0.050 | 08/08/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| **Toluene*** | **1.72** | 0.050 | 08/08/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| **Ethylbenzene*** | **3.12** | 0.050 | 08/08/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| **Total Xylenes*** | **9.84** | 0.150 | 08/08/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| **Total BTEX** | **14.7** | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *170 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1020** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**TPH 8015M** mg/kg Analyzed By: MS S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **388** | 10.0 | 08/08/2023 | ND | 169 | 84.5 | 200 | 3.98 | |
| **DRO >C10-C28*** | **4770** | 10.0 | 08/08/2023 | ND | 191 | 95.6 | 200 | 5.26 | |
| **EXT DRO >C28-C36** | **876** | 10.0 | 08/08/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *148 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *134 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 17 (5-5.5') (H234077-14)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <1.00 | 1.00 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| **Toluene*** | **13.0** | 1.00 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| **Ethylbenzene*** | **20.4** | 1.00 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| **Total Xylenes*** | **43.7** | 3.00 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| **Total BTEX** | **77.1** | 6.00 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *130 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3600** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**TPH 8015M** mg/kg Analyzed By: MS S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **912** | 10.0 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | QM-07 |
| **DRO >C10-C28*** | **4260** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | QM-07 |
| **EXT DRO >C28-C36** | **857** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *151 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *112 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 17 (6-6.5') (H234077-15)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <1.00 | 1.00 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| **Toluene*** | **6.18** | 1.00 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| **Ethylbenzene*** | **13.8** | 1.00 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| **Total Xylenes*** | **30.7** | 3.00 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| **Total BTEX** | **50.7** | 6.00 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *127 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3280** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**TPH 8015M** mg/kg Analyzed By: MS S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **1100** | 10.0 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| **DRO >C10-C28*** | **6580** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| **EXT DRO >C28-C36** | **1330** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *176 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *149 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 17 (7-7.5') (H234077-16)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <1.00 | 1.00 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| **Toluene*** | **16.4** | 1.00 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| **Ethylbenzene*** | **24.0** | 1.00 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| **Total Xylenes*** | **49.1** | 3.00 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| **Total BTEX** | **89.5** | 6.00 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *128 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **6160** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**TPH 8015M** mg/kg Analyzed By: MS S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **1400** | 10.0 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| **DRO >C10-C28*** | **6080** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| **EXT DRO >C28-C36** | **1210** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *180 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *140 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 17 (8-8.5') (H234077-17)

**BTEX 8021B** mg/kg Analyzed By: JH/ S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.100 | 0.100 | 08/08/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| **Toluene*** | **3.16** | 0.100 | 08/08/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| **Ethylbenzene*** | **8.15** | 0.100 | 08/08/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| **Total Xylenes*** | **19.7** | 0.300 | 08/08/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| **Total BTEX** | **31.0** | 0.600 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *164 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **7760** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**TPH 8015M** mg/kg Analyzed By: MS S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **649** | 10.0 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| **DRO >C10-C28*** | **5070** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| **EXT DRO >C28-C36** | **1100** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *142 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *132 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 18 (4-4.5') (H234077-18)

**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 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/07/2023 | ND | 400 | 100 | 400 | 11.3 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| **DRO >C10-C28*** | **19.7** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *90.1 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 18 (5-5.5') (H234077-19)

**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 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *94.2 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 18 (6-6.5') (H234077-20)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| **DRO >C10-C28*** | **21.6** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.9 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 18 (7-7.5') (H234077-21)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 18 (8-8.5') (H234077-22)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *69.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 19 (0-6") (H234077-23)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.0 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 19 (1-1.5') (H234077-24)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.9 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 19 (2-2.5') (H234077-25)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.4 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 19 (3-3.5') (H234077-26)

**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 | 08/07/2023 | ND | 2.05 | 103 | 2.00 | 1.66 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.97 | 98.5 | 2.00 | 3.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 1.96 | 98.2 | 2.00 | 2.89 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 5.74 | 95.7 | 6.00 | 2.59 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**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 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| **DRO >C10-C28*** | **17.7** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.6 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 19 (4-4.5') (H234077-27)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**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 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.1 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 20 (0-6") (H234077-28)

**BTEX 8021B** mg/kg Analyzed By: JH S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| **Toluene*** | **1.09** | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| **Ethylbenzene*** | **1.60** | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| **Total Xylenes*** | **4.73** | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| **Total BTEX** | **7.43** | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *220 %* *71.5-134*

**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 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **105** | 10.0 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| **DRO >C10-C28*** | **3120** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| **EXT DRO >C28-C36** | **647** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *98.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *104 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 20 (1-1.5') (H234077-29)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg **Analyzed By: AC**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| **DRO >C10-C28*** | **105** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| **EXT DRO >C28-C36** | **25.4** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 20 (2-2.5') (H234077-30)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| **Toluene*** | **0.056** | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| **Ethylbenzene*** | **0.122** | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| **Total Xylenes*** | **0.320** | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| **Total BTEX** | **0.500** | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| **DRO >C10-C28*** | **200** | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| **EXT DRO >C28-C36** | **47.9** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 20 (3-3.5') (H234077-31)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *75.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *84.4 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 07/31/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 20 (4-4.5') (H234077-32)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.9 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg **Analyzed By: AC**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **304** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 21 (0-6") (H234077-33)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 165 | 82.5 | 200 | 6.32 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 168 | 84.0 | 200 | 7.87 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *91.0 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 21 (1-1.5') (H234077-34)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**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 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *75.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *75.6 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 21 (2-2.5') (H234077-35)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**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 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *71.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *74.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 21 (3-3.5') (H234077-36)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**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 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *74.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *74.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 21 (4-4.5') (H234077-37)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**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 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *73.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *73.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 22 (0-6") (H234077-38)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **256** | 16.0 | 08/07/2023 | ND | 416 | 104 | 400 | 7.41 | |

**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 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *76.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *76.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 22 (1-1.5') (H234077-39)

**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 | 08/07/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/07/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/07/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/07/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**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 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *74.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *73.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 22 (2-2.5') (H234077-40)

**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 | 08/08/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**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 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *72.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *71.7 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 22 (3-3.5') (H234077-41)

**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 | 08/08/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *118 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **416** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *73.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *72.6 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 22 (4-4.5') (H234077-42)

**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 | 08/08/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**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 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *71.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *70.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 23 (0-6") (H234077-43)

**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 | 08/08/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.3 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **6640** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| **DRO >C10-C28*** | **36.5** | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *68.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *72.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 23 (1-1.5') (H234077-44)

**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 | 08/08/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1730** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *75.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *78.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 23 (2-2.5') (H234077-45)

**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 | 08/08/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2280** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *87.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 23 (3-3.5') (H234077-46)

**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 | 08/08/2023 | ND | 2.00 | 100 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.19 | 109 | 2.00 | 16.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.28 | 114 | 2.00 | 17.4 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.99 | 116 | 6.00 | 17.8 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *117 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1280** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *84.9 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 23 (4-4.5') (H234077-47)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1880** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *81.3 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 24 (0-6") (H234077-48)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4480** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| **DRO >C10-C28*** | **2590** | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| **EXT DRO >C28-C36** | **776** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *105 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *189 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 24 (1-1.5') (H234077-49)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3760** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| **DRO >C10-C28*** | **1940** | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| **EXT DRO >C28-C36** | **688** | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *49.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *126 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 24 (2-2.5') (H234077-50)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **816** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *70.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *69.8 %* *49.1-148*

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 24 (3-3.5') (H234077-51)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **464** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *71.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *70.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S - 24 (4-4.5') (H234077-52)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.300 | 0.300 | 08/08/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1260** | 16.0 | 08/07/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/07/2023 | ND | 167 | 83.3 | 200 | 5.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/07/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *77.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Notes and Definitions

| | |
|---|---|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QR-04 | The RPD for the BS/BSD was outside of historical limits. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| 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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# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE
Project Manager: Becky Haskell
Address: 209 W McKay St
City: Carlsbad State: NM Zip: 88220
Phone #: Fax #:
Project #: 226700 Project Owner: Earthstone
Project Name: Diamondback 24-25 CTB
Project Location: Lea Co, NM
Sampler Name: Dmitry Nikonorov

**BILL TO**
P.O. #:
Company: Earthstone
Attn: Chris Martin
Address:
City:
State: Zip:
Phone #:
Fax #:

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME | BTEX | TPH | CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234677 | | | | | | | | | | | | | | | | | |
| 1 | H-9 (0') | G | 1 | | | X | | | | | X | | 8/1/23 | 0900 | X | X | X |
| 2 | H-10 (0') | G | 1 | | | X | | | | | X | | | 0910 | X | X | X |
| 3 | H-11 (0') | G | 1 | | | X | | | | | X | | | 0920 | X | X | X |
| 4 | H-12 (0') | G | 1 | | | X | | | | | X | | | 0930 | X | X | X |
| 5 | H-13 (0') | G | 1 | | | X | | | | | X | | | 0940 | X | X | X |
| 6 | H-14 (0') | G | 1 | | | X | | | | | X | | | 0950 | X | X | X |
| 7 | H-15 (0') | G | 1 | | | X | | | | | X | | | 1000 | X | X | X |
| 8 | S-16 (0-6") | G | 1 | | | X | | | | | X | | 7/31/23 | 0900 | X | X | X |
| 9 | S-16 (1-1.5') | G | 1 | | | X | | | | | X | | | 0910 | X | X | X |
| 10 | S-16 (2-2.5') | G | 1 | | | X | | | | | X | | | 0920 | X | X | X |

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Relinquished By: Date: 8-2-23 Time: 1155 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 1.8 Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) DO

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #140 Correction Factor 0°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | |
|---|---|
| Company Name: | NTG |
| Project Manager: | |
| Address: | |
| City: | State: Zip: |
| Phone #: | Fax #: |
| Project #: | Project Owner: |
| Project Name: | |
| Project Location: | |
| Sampler Name: | |

**BILL TO**

| | |
|---|---|
| P.O. #: | |
| Company: | |
| Attn: | |
| Address: | |
| City: | |
| State: Zip: | |
| Phone #: | |
| Fax #: | |

**ANALYSIS REQUEST**

BTEX
TPH
CHLORIDES

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | SAMPLING TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234077 11 | S-16 (3-3.5') | G | 1 | | | X | | | | | X | | 7/31/23 | 0930 |
| 12 | S-16 (4-4.5') | | | | | | | | | | | | | 0940 |
| 13 | S-17 (4-4.5') | | | | | | | | | | | | | 0950 |
| 14 | S-17 (5-5.5') | | | | | | | | | | | | | 1000 |
| 15 | S-18 (6-6.5') | | | | | | | | | | | | | 1010 |
| 16 | S-17 (7-7.5') | | | | | | | | | | | | | 1020 |
| 17 | S-17 (8-8.5') | | | | | | | | | | | | | 1030 |
| 18 | S-18 (4-4.5') | | | | | | | | | | | | 8/1/23 | 1005 |
| 19 | S-18 (5-5.5') | | | | | | | | | | | | | 1010 |
| 20 | S-18 (6-6.5') | | | | | | | | | | | | | 1015 |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8-2-23 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | Time: 1155 | | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | REMARKS: |
| | Time: | | |

| | | | | |
|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 1.8 | Sample Condition Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No | CHECKED BY: (Initials) YO | Turnaround Time: Standard ☒ Rush ☐ |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | | | Thermometer ID #140 Correction Factor 0°C |

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No / Observed Temp. °C / Corrected Temp. °C

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Page 5/6

# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | |
|---|---|
| Company Name: | NTG |
| Project Manager: | |
| Address: | |
| City: | State: Zip: |
| Phone #: | Fax #: |
| Project #: | Project Owner: |
| Project Name: | |
| Project Location: | |
| Sampler Name: | |

**BILL TO**

| | |
|---|---|
| P.O. #: | |
| Company: | |
| Attn: | |
| Address: | |
| City: | |
| State: Zip: | |
| Phone #: | |
| Fax #: | |

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | SAMPLING TIME | BTEX | TPH | CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234077 | | | | | | | | | | | | | | | | | | |
| 21 | S-18 | (7-7.5') | S | 1 | | | X | | | | | X | | 8/1/23 | 1020 | X | X | X |
| 22 | S-18 | (8-8.5') | | | | | | | | | | | | | 1025 | | | |
| 23 | S-19 | (0-6") | | | | | | | | | | | | | 1030 | | | |
| 24 | S-19 | (1-1.5') | | | | | | | | | | | | | 1035 | | | |
| 25 | S-19 | (2-2.5') | | | | | | | | | | | | | 1040 | | | |
| 26 | S-19 | (3-3.5') | | | | | | | | | | | | | 1045 | | | |
| 27 | S-19 | (4-4.5') | | | | | | | | | | | | | 1050 | | | |
| 28 | S-20 | (0-6") | | | | | | | | | | | | 7/31/23 | 1035 | | | |
| 29 | S-20 | (1-1.5') | | | | | | | | | | | | | 1040 | | | |
| 30 | S-20 | (2-2.5') | | | | | | | | | | | | | 1045 | | | |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8-2-23 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | Time: 1155 | | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | REMARKS: |
| | Time: | | |

| | | | | |
|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 1.8 | Sample Condition Cool Intact | CHECKED BY: (Initials) | Turnaround Time: Standard ☒ Rush ☐ |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | ☐ Yes ☐ Yes ☐ No ☐ No | | Thermometer ID #140 Correction Factor 0°C |

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

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# CARDINAL Laboratories

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | |
|---|---|
| Company Name: | NTG |
| Project Manager: | |
| Address: | |
| City: | State: Zip: |
| Phone #: | Fax #: |
| Project #: | Project Owner: |
| Project Name: | |
| Project Location: | |
| Sampler Name: | |

**BILL TO**

| | |
|---|---|
| P.O. #: | |
| Company: | |
| Attn: | |
| Address: | |
| City: | |
| State: | Zip: |
| Phone #: | |
| Fax #: | |

**ANALYSIS REQUEST**

BTEX
TPH
CHLORIDES

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | SAMPLING TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234077 | | | | | | | | | | | | | | |
| 31 | S-20 (3-3.5') | G | 1 | | | X | | | | | X | | 7/31/23 | 1050 |
| 32 | S-20 (4-4.5') | | | | | | | | | | | | ↓ | 1055 |
| 33 | S-21 (0-6") | | | | | | | | | | | | 8/1/23 | 1055 |
| 34 | S-21 (1-1.5') | | | | | | | | | | | | | 1100 |
| 35 | S-21 (2-2.5') | | | | | | | | | | | | | 1105 |
| 36 | S-21 (3-3.5') | | | | | | | | | | | | | 1110 |
| 37 | S-21 (4-4.5') | | | | | | | | | | | | | 1115 |
| 38 | S-22 (0-6") | | | | | | | | | | | | | 1120 |
| 39 | S-22 (1-1.5') | | | | | | | | | | | | | 1125 |
| 40 | S-22 (2-2.5') | | | | | | | | | | | | | 1130 |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8-2-23 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | Time: 1155 | | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | REMARKS: |
| | Time: | | |

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

Observed Temp. °C 1.8
Corrected Temp. °C

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) JO

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID #140
Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

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# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | |
|---|---|
| Company Name: | NTG |
| Project Manager: | |
| Address: | |
| City: | State: Zip: |
| Phone #: | Fax #: |
| Project #: | Project Owner: |
| Project Name: | |
| Project Location: | |
| Sampler Name: | |

**BILL TO**

| | |
|---|---|
| P.O. #: | |
| Company: | |
| Attn: | |
| Address: | |
| City: | |
| State: Zip: | |
| Phone #: | |
| Fax #: | |

**ANALYSIS REQUEST**

BTEX
TPH
CHLORIDES

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234077-41 | S-22 (3-3.5') | G | 1 | | | X | | | | | X | | 8/1/23 | 1135 |
| 42 | S-22 (4-4.5') | | | | | | | | | | | | | 1140 |
| 43 | S-23 (0-6") | | | | | | | | | | | | | 1145 |
| 44 | S-23 (1-1.5') | | | | | | | | | | | | | 1150 |
| 45 | S-23 (2-2.5') | | | | | | | | | | | | | 1155 |
| 46 | S-23 (3-3.5') | | | | | | | | | | | | | 1200 |
| 47 | S-23 (4-4.5') | | | | | | | | | | | | | 1205 |
| 48 | S-24 (0-6") | | | | | | | | | | | | | 1210 |
| 49 | S-24 (1-1.5') | | | | | | | | | | | | | 1215 |
| 50 | S-24 (2-2.5') | | | | | | | | | | | | | 1220 |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8-2-23 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | Time: 1155 | | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | REMARKS: |
| | Time: | | |

| | | | | |
|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 1.8 | Sample Condition Cool ☑ Yes Intact ☑ Yes | CHECKED BY: (Initials) | Turnaround Time: Standard ☒ Rush ☐ |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | ☐ No ☐ No | | Thermometer ID #140 Correction Factor 0°C |

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | |
|---|---|
| Company Name: | NTG |
| Project Manager: | |
| Address: | |
| City: | State: Zip: |
| Phone #: | Fax #: |
| Project #: | Project Owner: |
| Project Name: | |
| Project Location: | |
| Sampler Name: | |

**BILL TO**

| | |
|---|---|
| P.O. #: | |
| Company: | |
| Attn: | |
| Address: | |
| City: | |
| State: Zip: | |
| Phone #: | |
| Fax #: | |

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234077-51 | S-24 (3-3.5') | G | 1 | | | X | | | | | X | | 8/1/23 | 1225 |
| -52 | S-24 (4-4.5') | G | 1 | | | X | | | | | X | | 8/1/23 | 1230 |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8-2-23 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | Time: 1155 | | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | REMARKS: |
| | Time: | | |

| | | | | |
|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 1.8 | Sample Condition Cool Intact | CHECKED BY: (Initials) | Turnaround Time: Standard ☒ Rush ☐ |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | ☑ Yes ☑ Yes ☐ No ☐ No | | Thermometer ID #140 Correction Factor 0°C |

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

CARDINAL Laboratories

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

August 22, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/16/23 12:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 0-6" (H234430-01)

**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 | 08/17/2023 | ND | 2.03 | 102 | 2.00 | 3.35 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.92 | 95.8 | 2.00 | 2.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.00 | 99.8 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.92 | 98.7 | 6.00 | 2.77 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.3 | 200 | 5.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 185 | 92.4 | 200 | 1.48 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *71.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *73.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 1-1.5' (H234430-02)

**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 | 08/17/2023 | ND | 2.03 | 102 | 2.00 | 3.35 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.92 | 95.8 | 2.00 | 2.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.00 | 99.8 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.92 | 98.7 | 6.00 | 2.77 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 2-2.5' (H234430-03)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *107 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 3-3.5' (H234430-04)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 4-4.5' (H234430-05)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *92.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 5-5.5' (H234430-06)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 0-6" (H234430-07)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **5120** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| **DRO >C10-C28*** | **18.3** | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 1-1.5' (H234430-08)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 2-2.5' (H234430-09)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 3-3.5' (H234430-10)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *94.9 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.4 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 4-4.5' (H234430-11)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *94.4 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *110 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 5-5.5' (H234430-12)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.0 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 0-6" (H234430-13)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *92.5 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3800** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.3 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 1-1.5' (H234430-14)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *93.1 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 2-2.5' (H234430-15)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *94.5 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 3-3.5' (H234430-16)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.5 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *105 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 4-4.5' (H234430-17)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.3 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 5-5.5' (H234430-18)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.4 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 0-6" (H234430-19)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *116 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 1-1.5' (H234430-20)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *103 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 2-2.5' (H234430-21)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 3-3.5' (H234430-22)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *117 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 4-4.5' (H234430-23)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *116 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 5-5.5' (H234430-24)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H 12 A SURFACE (H234430-25)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *97.3 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H 13 A SURFACE (H234430-26)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H 14 A SURFACE (H234430-27)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H 15 A SURFACE (H234430-28)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *96.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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Celey D. Keene

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

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NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234430

Page 1 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | -0.9°C |
| Total Containers: | 28 | Corrected Temperature: | — |

| Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VH12 | 0-6" | 8/15/2023 | 9:30 | X | | Grab | 1 | X | X | X | |
| VH12 | 1-1.5' | 8/15/2023 | 9:40 | X | | Grab | 1 | X | X | X | |
| VH12 | 2-2.5' | 8/15/2023 | 9:50 | X | | Grab | 1 | X | X | X | |
| VH12 | 3-3.5' | 8/15/2023 | 10:00 | X | | Grab | 1 | X | X | X | |
| VH12 | 4-4.5' | 8/15/2023 | 10:10 | X | | Grab | 1 | X | X | X | |
| VH12 | 5-5.5' | 8/15/2023 | 10:20 | X | | Grab | 1 | X | X | X | |
| VH13 | 0-6" | 8/15/2023 | 10:30 | X | | Grab | 1 | X | X | X | |
| VH13 | 1-1.5' | 8/15/2023 | 10:40 | X | | Grab | 1 | X | X | X | |
| VH13 | 2-2.5' | 8/15/2023 | 10:50 | X | | Grab | 1 | X | X | X | |
| VH13 | 3-3.5' | 8/15/2023 | 11:00 | X | | Grab | 1 | X | X | X | |

**Preservative Codes**

None: NO — DI Water: $H_2O$

Cool: Cool — MeOH: Me

HCL: HC — $HNO_3$: HN

$H_2S0_4$: $H_2$ — NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

**Sample Comments**

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | DV | | 8/16/23 8:30am | 2 | | | 8-16-23 1220 |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |

Revised Date 05012020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

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NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234430

Page 2 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | | |
|---|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No | |
| Received Intact: | (Yes) No | Thermometer ID: | 140 | |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | — | |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | -0.9c | |
| Total Containers: | | Corrected Temperature: | — | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | VH13 | 4-4.5' | 8/15/2023 | 11:10 | X | | Grab | 1 | | X | X | X | | |
| 12 | VH13 | 5-5.5' | 8/15/2023 | 11:20 | X | | Grab | 1 | | X | X | X | | |
| 13 | VH14 | 0-6" | 8/15/2023 | 11:30 | X | | Grab | 1 | | X | X | X | | |
| 14 | VH14 | 1-1.5' | 8/15/2023 | 11:40 | X | | Grab | 1 | | X | X | X | | |
| 15 | VH14 | 2-2.5' | 8/15/2023 | 11:50 | X | | Grab | 1 | | X | X | X | | |
| 16 | VH14 | 3-3.5' | 8/15/2023 | 12:00 | X | | Grab | 1 | | X | X | X | | |
| | VH14 | 4-4.5' | 8/15/2023 | 12:10 | X | | Grab | 1 | | X | X | X | | |
| | VH14 | 5-5.5' | 8/15/2023 | 12:20 | X | | Grab | 1 | | X | X | X | | |
| | VH15 | 0-6" | 8/15/2023 | 12:30 | X | | Grab | 1 | | X | X | X | | |
| | VH15 | 1-1.5' | 8/15/2023 | 12:40 | X | | Grab | 1 | | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | DN | | | | | |
| 2 | | | 8/16/23 8:26am | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | 8-16-23 1220 |



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# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** H234430

Page 3 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | -0.9c |
| Total Containers: | | Corrected Temperature: | — |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VH15 | 2-2.5' | 8/15/2023 | 12:50 | X | | Grab | 1 | | X | X | X | | |
| VH15 | 3-3.5' | 8/15/2023 | 13:00 | X | | Grab | 1 | | X | X | X | | |
| VH15 | 4-4.5' | 8/15/2023 | 13:10 | X | | Grab | 1 | | X | X | X | | |
| VH15 | 5-5.5' | 8/15/2023 | 13:20 | X | | Grab | 1 | | X | X | X | | |
| H12A | Surface | 8/15/2023 | 13:30 | X | | Grab | 1 | | X | X | X | | |
| H13A | Surface | 8/15/2023 | 13:40 | X | | Grab | 1 | | X | X | X | | |
| H14A | Surface | 8/15/2023 | 13:50 | X | | Grab | 1 | | X | X | X | | |
| H15A | Surface | 8/15/2023 | 14:00 | X | | Grab | 1 | | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | DN | | 8/16/23 8:26am | 2 | | | 8-16-23 1320 |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |

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Released to Imaging: 4/2/2025 2:01:51 PM

CARDINAL Laboratories

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

August 22, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/16/23 12:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 0-6" (H234430-01)

**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 | 08/17/2023 | ND | 2.03 | 102 | 2.00 | 3.35 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.92 | 95.8 | 2.00 | 2.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.00 | 99.8 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.92 | 98.7 | 6.00 | 2.77 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.3 | 200 | 5.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 185 | 92.4 | 200 | 1.48 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *71.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *73.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 1-1.5' (H234430-02)

**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 | 08/17/2023 | ND | 2.03 | 102 | 2.00 | 3.35 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.92 | 95.8 | 2.00 | 2.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.00 | 99.8 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.92 | 98.7 | 6.00 | 2.77 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 2-2.5' (H234430-03)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 3-3.5' (H234430-04)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 4-4.5' (H234430-05)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *92.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 12 5-5.5' (H234430-06)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 0-6" (H234430-07)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **5120** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| **DRO >C10-C28*** | **18.3** | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.4 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 1-1.5' (H234430-08)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 2-2.5' (H234430-09)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.93 | 96.7 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.85 | 92.4 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.88 | 94.2 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.70 | 95.0 | 6.00 | 2.45 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.92 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 3-3.5' (H234430-10)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *94.9 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 191 | 95.4 | 200 | 3.09 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 197 | 98.5 | 200 | 15.8 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 4-4.5' (H234430-11)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *94.4 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *110 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 13 5-5.5' (H234430-12)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.0 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 0-6" (H234430-13)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *92.5 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3800** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 1-1.5' (H234430-14)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *93.1 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *104 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 2-2.5' (H234430-15)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *94.5 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *104 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 3-3.5' (H234430-16)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.5 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *105 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 4-4.5' (H234430-17)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.09 | 105 | 2.00 | 3.05 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 2.02 | 101 | 2.00 | 3.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.94 | 97.2 | 2.00 | 3.79 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.89 | 98.1 | 6.00 | 4.27 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.3 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 14 5-5.5' (H234430-18)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.4 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 0-6" (H234430-19)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *116 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 1-1.5' (H234430-20)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 2-2.5' (H234430-21)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 3-3.5' (H234430-22)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *117 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.3 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 4-4.5' (H234430-23)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *116 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.9 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: VH 15 5-5.5' (H234430-24)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H 12 A SURFACE (H234430-25)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *97.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H 13 A SURFACE (H234430-26)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H 14 A SURFACE (H234430-27)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**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 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/16/2023 | Sampling Date: | 08/15/2023 |
| Reported: | 08/22/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H 15 A SURFACE (H234430-28)

**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 | 08/17/2023 | ND | 1.98 | 98.8 | 2.00 | 1.40 | |
| Toluene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.90 | 94.8 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2023 | ND | 1.97 | 98.6 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2023 | ND | 5.88 | 98.0 | 6.00 | 2.99 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/17/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2023 | ND | 193 | 96.6 | 200 | 0.793 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2023 | ND | 192 | 96.1 | 200 | 1.55 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *96.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H234430

Page 1 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | -0.9°C |
| Total Containers: | 28 | Corrected Temperature: | — |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VH12 | 0-6" | 8/15/2023 | 9:30 | X | | Grab | 1 | | X | X | X | | |
| VH12 | 1-1.5' | 8/15/2023 | 9:40 | X | | Grab | 1 | | X | X | X | | |
| VH12 | 2-2.5' | 8/15/2023 | 9:50 | X | | Grab | 1 | | X | X | X | | |
| VH12 | 3-3.5' | 8/15/2023 | 10:00 | X | | Grab | 1 | | X | X | X | | |
| VH12 | 4-4.5' | 8/15/2023 | 10:10 | X | | Grab | 1 | | X | X | X | | |
| VH12 | 5-5.5' | 8/15/2023 | 10:20 | X | | Grab | 1 | | X | X | X | | |
| VH13 | 0-6" | 8/15/2023 | 10:30 | X | | Grab | 1 | | X | X | X | | |
| VH13 | 1-1.5' | 8/15/2023 | 10:40 | X | | Grab | 1 | | X | X | X | | |
| VH13 | 2-2.5' | 8/15/2023 | 10:50 | X | | Grab | 1 | | X | X | X | | |
| VH13 | 3-3.5' | 8/15/2023 | 11:00 | X | | Grab | 1 | | X | X | X | | |

1 2 3 4 5

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | | | 8/16/23 8:30am | 2 | | 8-16-23 1220 |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |



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Released to Imaging: 4/2/2025 2:01:51 PM

Page 571 of 917



NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234430

Page 2 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | -0.9c |
| Total Containers: | | Corrected Temperature: | — |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | VH13 | 4-4.5' | 8/15/2023 | 11:10 | X | | Grab | 1 | X | X | X | | |
| 12 | VH13 | 5-5.5' | 8/15/2023 | 11:20 | X | | Grab | 1 | X | X | X | | |
| 13 | VH14 | 0-6" | 8/15/2023 | 11:30 | X | | Grab | 1 | X | X | X | | |
| 14 | VH14 | 1-1.5' | 8/15/2023 | 11:40 | X | | Grab | 1 | X | X | X | | |
| 15 | VH14 | 2-2.5' | 8/15/2023 | 11:50 | X | | Grab | 1 | X | X | X | | |
| 16 | VH14 | 3-3.5' | 8/15/2023 | 12:00 | X | | Grab | 1 | X | X | X | | |
| | VH14 | 4-4.5' | 8/15/2023 | 12:10 | X | | Grab | 1 | X | X | X | | |
| | VH14 | 5-5.5' | 8/15/2023 | 12:20 | X | | Grab | 1 | X | X | X | | |
| | VH15 | 0-6" | 8/15/2023 | 12:30 | X | | Grab | 1 | X | X | X | | |
| | VH15 | 1-1.5' | 8/15/2023 | 12:40 | X | | Grab | 1 | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | DN | | | | | |
| 2 | | | 8/16/23 8:26am | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | 8-16-23 1220 |



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Page 572 of 917



# Chain of Custody

NTG ENVIRONMENTAL

**Work Order No:** H234430

Page 3 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | -0.9c |
| Total Containers: | | Corrected Temperature: | — |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VH15 | 2-2.5' | 8/15/2023 | 12:50 | X | | Grab | 1 | | X | X | X | | |
| VH15 | 3-3.5' | 8/15/2023 | 13:00 | X | | Grab | 1 | | X | X | X | | |
| VH15 | 4-4.5' | 8/15/2023 | 13:10 | X | | Grab | 1 | | X | X | X | | |
| VH15 | 5-5.5' | 8/15/2023 | 13:20 | X | | Grab | 1 | | X | X | X | | |
| H12A | Surface | 8/15/2023 | 13:30 | X | | Grab | 1 | | X | X | X | | |
| H13A | Surface | 8/15/2023 | 13:40 | X | | Grab | 1 | | X | X | X | | |
| H14A | Surface | 8/15/2023 | 13:50 | X | | Grab | 1 | | X | X | X | | |
| H15A | Surface | 8/15/2023 | 14:00 | X | | Grab | 1 | | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | DN | | 8/16/23 8:26am | 2 | | | 8-16-23 1320 |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |

Revised Date 05012020 Rev. 2020 1

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CARDINAL Laboratories

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

August 23, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/17/23 14:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 25 0-6" (H234474-01)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *98.0 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/21/2023 | ND | 165 | 82.6 | 200 | 5.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/21/2023 | ND | 186 | 93.2 | 200 | 3.56 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *105 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *112 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 25 1-1.5' (H234474-02)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *96.6 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/21/2023 | ND | 165 | 82.6 | 200 | 5.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/21/2023 | ND | 186 | 93.2 | 200 | 3.56 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *107 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *118 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 25 2-2.5' (H234474-03)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *97.8 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/21/2023 | ND | 165 | 82.6 | 200 | 5.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/21/2023 | ND | 186 | 93.2 | 200 | 3.56 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *101 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *112 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 25 3-3.5' (H234474-04)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *96.0 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/21/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/21/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 25 4-4.5' (H234474-05)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *97.9 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/21/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/21/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 25 5-5.5' (H234474-06)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *97.8 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/21/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/21/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.7 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 26 0-6" (H234474-07)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *96.0 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/21/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/21/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *103 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 26 1-1.5' (H234474-08)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *98.6 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/21/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/21/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *103 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *115 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 26 2-2.5' (H234474-09)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *96.9 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/21/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/21/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/21/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 26 3-3.5' (H234474-10)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *97.1 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 26 4-4.5' (H234474-11)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *98.1 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/21/2023 | ND | 448 | 112 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: S 26 5-5.5' (H234474-12)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *97.3 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/21/2023 | ND | 432 | 108 | 400 | 7.69 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *108 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H4A SURFACE (H234474-13)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *98.4 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/21/2023 | ND | 432 | 108 | 400 | 7.69 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H10A SURFACE (H234474-14)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *98.0 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/21/2023 | ND | 432 | 108 | 400 | 7.69 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H11A SURFACE (H234474-15)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *98.3 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/21/2023 | ND | 432 | 108 | 400 | 7.69 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/17/2023 | Sampling Date: | 08/16/2023 |
| Reported: | 08/23/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: H16 SURFACE (H234474-16)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.03 | 102 | 2.00 | 0.260 | |
| Toluene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.05 | 102 | 2.00 | 0.421 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2023 | ND | 2.01 | 101 | 2.00 | 0.152 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2023 | ND | 6.11 | 102 | 6.00 | 0.823 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *98.3 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/21/2023 | ND | 432 | 108 | 400 | 7.69 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2023 | ND | 167 | 83.3 | 200 | 7.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2023 | ND | 181 | 90.5 | 200 | 7.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *97.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Page 591 of 917



# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H234474

Page 1 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | ☑ Routine ☐ Rush |
| Project Number: | 226700 | Due Date: | |
| Project Location | Lea County, NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Dmitry Nikanorov | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | -2.1°c |
| Total Containers: | 16 | Corrected Temperature: | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S25 | 0-6" | 8/16/2023 | 9:50 | X | | Grab | 1 | | X | X | X | | |
| S25 | 1-1.5' | 8/16/2023 | 10:00 | X | | Grab | 1 | | X | X | X | | |
| S25 | 2-2.5' | 8/16/2023 | 10:10 | X | | Grab | 1 | | X | X | X | | |
| S25 | 3-3.5' | 8/16/2023 | 10:20 | X | | Grab | 1 | | X | X | X | | |
| S25 | 4-4.5' | 8/16/2023 | 10:30 | X | | Grab | 1 | | X | X | X | | |
| S25 | 5-5.5' | 8/16/2023 | 10:40 | X | | Grab | 1 | | X | X | X | | |
| S26 | 0-6" | 8/16/2023 | 10:50 | X | | Grab | 1 | | X | X | X | | |
| S26 | 1-1.5' | 8/16/2023 | 11:00 | X | | Grab | 1 | | X | X | X | | |
| S26 | 2-2.5' | 8/16/2023 | 11:10 | X | | Grab | 1 | | X | X | X | | |
| S26 | 3-3.5' | 8/16/2023 | 11:20 | X | | Grab | 1 | | X | X | X | | |

**Additional Comments:**

**Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.**

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | | 8/17/23 8:40am | 2 | | 8-17-23 1445 |
| 3 | | | 4 | | |
| 5 | | | 6 | | |



Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

Page 592 of 917



NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234474

Page 2 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Received Intact: | Temp Blank: Yes No | Wet Ice: | Yes No |
| Cooler Custody Seals: | Yes No N/A | Thermometer ID: | 140 |
| Sample Custody Seals: | Yes No N/A | Correction Factor: | — |
| Total Containers: | 16 | Temperature Reading: | -2.1°c |
| | | Corrected Temperature: | — |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 S26 | 4-4.5' | 8/16/2023 | 11:30 | X | | Grab | 1 | X | X | X | | |
| 2 S26 | 5-5.5' | 8/16/2023 | 11:40 | X | | Grab | 1 | X | X | X | | |
| 3 H4A | Surface | 8/16/2023 | 11:50 | X | | Grab | 1 | X | X | X | | |
| 4 H10A | Surface | 8/16/2023 | 12:00 | X | | Grab | 1 | X | X | X | | |
| 5 H11A | Surface | 8/16/2023 | 12:10 | X | | Grab | 1 | X | X | X | | |
| 6 H16 | Surface | 8/16/2023 | 12:20 | X | | Grab | 1 | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | DN | 8/17/23 | 8:47am | | | |
| 2 | | | | | Tamara Latta Byk | 8-17-23 1445 |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date 05012020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

CARDINAL Laboratories

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

August 28, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/21/23 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/17/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 25 12.5' (H234531-01)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.11 | 105 | 2.00 | 1.77 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.12 | 106 | 2.00 | 1.11 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.06 | 103 | 2.00 | 1.41 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 6.30 | 105 | 6.00 | 2.55 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *93.2 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4160** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 175 | 87.3 | 200 | 5.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 169 | 84.5 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *110 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/17/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 26 12.5' (H234531-02)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.11 | 105 | 2.00 | 1.77 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.12 | 106 | 2.00 | 1.11 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.06 | 103 | 2.00 | 1.41 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 6.30 | 105 | 6.00 | 2.55 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.3 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **560** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 175 | 87.3 | 200 | 5.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 169 | 84.5 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/17/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 27 12.5' (H234531-03)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.11 | 105 | 2.00 | 1.77 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.12 | 106 | 2.00 | 1.11 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.06 | 103 | 2.00 | 1.41 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 6.30 | 105 | 6.00 | 2.55 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *94.4 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 175 | 87.3 | 200 | 5.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 169 | 84.5 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/17/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 28 12.5' (H234531-04)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.11 | 105 | 2.00 | 1.77 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.12 | 106 | 2.00 | 1.11 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.06 | 103 | 2.00 | 1.41 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 6.30 | 105 | 6.00 | 2.55 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *95.0 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **7200** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 175 | 87.3 | 200 | 5.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 169 | 84.5 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/17/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 29 12.5' (H234531-05)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **592** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 175 | 87.3 | 200 | 5.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 169 | 84.5 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *106 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/17/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 30 12.5' (H234531-06)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1120** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 175 | 87.3 | 200 | 5.82 | |
| **DRO >C10-C28*** | **35.1** | 10.0 | 08/23/2023 | ND | 169 | 84.5 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *100 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *116 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/17/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 31 12.5' (H234531-07)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 175 | 87.3 | 200 | 5.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 169 | 84.5 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *111 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/17/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 32 12.5' (H234531-08)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 175 | 87.3 | 200 | 5.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 169 | 84.5 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *107 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/17/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 33 12.5' (H234531-09)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3720** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 34 3' (H234531-10)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *80.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 35 3' (H234531-11)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 36 3' (H234531-12)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *81.7 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 37 3' (H234531-13)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 38 3' (H234531-14)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *99.5 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *69.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *72.4 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 39 3' (H234531-15)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **320** | 16.0 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *85.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 40 3' (H234531-16)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **320** | 16.0 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| **DRO >C10-C28*** | **30.3** | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *82.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 41 3' (H234531-17)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **208** | 16.0 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.1 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 42 3' (H234531-18)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **256** | 16.0 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *84.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 43 3' (H234531-19)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 44 3' (H234531-20)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *84.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 45 3' (H234531-21)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *82.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 46 3' (H234531-22)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *80.7 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 47 3' (H234531-23)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.89 | 94.7 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 93.9 | 2.00 | 3.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.94 | 97.1 | 2.00 | 3.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.87 | 97.8 | 6.00 | 2.57 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *82.7 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 48 3' (H234531-24)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | QM-07 |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *85.3 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 49 3' (H234531-25)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **256** | 16.0 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *70.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *73.4 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 50 3' (H234531-26)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **208** | 16.0 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *86.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 51 3' (H234531-27)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 52 3' (H234531-28)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 152 | 76.0 | 200 | 1.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 139 | 69.3 | 200 | 1.85 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *80.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 53 3' (H234531-29)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *107 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 54 1.5' (H234531-30)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *99.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *114 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 55 1.5' (H234531-31)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**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 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *98.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *115 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 56 1.5' (H234531-32)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **112** | 16.0 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/23/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/23/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *103 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 57 1.5' (H234531-33)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **112** | 16.0 | 08/23/2023 | ND | 384 | 96.0 | 400 | 8.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 58 1.5' (H234531-34)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *90.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 59 1.5' (H234531-35)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *116 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *99.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *112 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 60 1.5' (H234531-36)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *98.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *114 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 61 1.5' (H234531-37)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *108 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 62 1.5' (H234531-38)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *115 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 63 1.5' (H234531-39)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *102 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *117 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 64 1.5' (H234531-40)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.0 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 65 1.5' (H234531-41)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *109 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 66 1.5' (H234531-42)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 67 1.5' (H234531-43)

**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 | 08/24/2023 | ND | 1.88 | 94.0 | 2.00 | 0.996 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.88 | 94.2 | 2.00 | 1.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 1.96 | 98.1 | 2.00 | 2.03 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 5.83 | 97.2 | 6.00 | 2.61 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *98.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *116 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/21/2023 | Sampling Date: | 08/18/2023 |
| Reported: | 08/28/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 68 1.5' (H234531-44)

**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 | 08/24/2023 | ND | 1.94 | 96.8 | 2.00 | 3.47 | |
| Toluene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.20 | 110 | 2.00 | 1.09 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2023 | ND | 2.20 | 110 | 2.00 | 0.0475 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2023 | ND | 6.54 | 109 | 6.00 | 0.526 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**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 | 08/23/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2023 | ND | 151 | 75.3 | 200 | 8.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2023 | ND | 165 | 82.6 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *111 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Notes and Definitions

| | |
|---|---|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| 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, Lab Director/Quality Manager

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# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H234531

Page 1 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | T40 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | -6.6°C |
| Total Containers: | ~~54~~ 44 | Corrected Temperature: | — |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CS25 | 12.5' | 8/17/2023 | 9:50 | X | | Comp | 1 | X | X | X | | |
| 2 | CS26 | 12.5' | 8/17/2023 | 10:00 | X | | Comp | 1 | X | X | X | | |
| 3 | CS27 | 12.5' | 8/17/2023 | 10:10 | X | | Comp | 1 | X | X | X | | |
| 4 | CS28 | 12.5' | 8/17/2023 | 10:20 | X | | Comp | 1 | X | X | X | | |
| 5 | CS29 | 12.5' | 8/17/2023 | 10:30 | X | | Comp | 1 | X | X | X | | |
| 6 | CS30 | 12.5' | 8/17/2023 | 10:40 | X | | Comp | 1 | X | X | X | | |
| | CS31 | 12.5' | 8/17/2023 | 10:50 | X | | Comp | 1 | X | X | X | | |
| | CS32 | 12.5' | 8/17/2023 | 11:00 | X | | Comp | 1 | X | X | X | | |
| | CS33 | 12.5' | 8/17/2023 | 11:10 | X | | Comp | 1 | X | X | X | | |
| | CS34 | 3' | 8/18/2023 | 10:00 | X | | Comp | 1 | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | | | 8-24-23 1540 | 2 | | | |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |

Revised Date 05012020 Rev. 2020.1

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NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234531

Page 1 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Received Intact: | (Yes) No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | — |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | -6.6c |
| Total Containers: | ~~54~~ 44 | Corrected Temperature: | — |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | CS35 | 3' | 8/18/2023 | 10:05 | X | | Comp | 1 | X | X | X | | |
| 12 | CS36 | 3' | 8/18/2023 | 10:10 | X | | Comp | 1 | X | X | X | | |
| 13 | CS37 | 3' | 8/18/2023 | 10:15 | X | | Comp | 1 | X | X | X | | |
| 14 | CS38 | 3' | 8/18/2023 | 10:20 | X | | Comp | 1 | X | X | X | | |
| 15 | CS39 | 3' | 8/18/2023 | 10:25 | X | | Comp | 1 | X | X | X | | |
| 16 | CS40 | 3' | 8/18/2023 | 10:30 | X | | Comp | 1 | X | X | X | | |
| 17 | CS41 | 3' | 8/18/2023 | 10:35 | X | | Comp | 1 | X | X | X | | |
| 18 | CS42 | 3' | 8/18/2023 | 10:40 | X | | Comp | 1 | X | X | X | | |
| 19 | CS43 | 3' | 8/18/2023 | 10:45 | X | | Comp | 1 | X | X | X | | |
| 20 | CS44 | 3' | 8/18/2023 | 10:50 | X | | Comp | 1 | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | DL | Tamara Hobbs | 8-21-23 1540 | 2 | | | |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |

Revised Date 05012020 Rev. 2020.1

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# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H234531

Page 3 of 5

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Received Intact: | (Yes) No | Thermometer ID: | T40 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | — |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | -6.6°C |
| Total Containers: | ~~54~~ 44 | Corrected Temperature: | — |

| Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CS45 | 3' | 8/18/2023 | 10:55 | X | | Comp | 1 | X | X | X | | |
| CS46 | 3' | 8/18/2023 | 11:00 | X | | Comp | 1 | X | X | X | | |
| CS47 | 3' | 8/18/2023 | 11:05 | X | | Comp | 1 | X | X | X | | |
| CS48 | 3' | 8/18/2023 | 11:10 | X | | Comp | 1 | X | X | X | | |
| CS49 | 3' | 8/18/2023 | 11:15 | X | | Comp | 1 | X | X | X | | |
| CS50 | 3' | 8/18/2023 | 11:20 | X | | Comp | 1 | X | X | X | | |
| CS51 | 3' | 8/18/2023 | 11:25 | X | | Comp | 1 | X | X | X | | |
| CS52 | 3' | 8/18/2023 | 11:30 | X | | Comp | 1 | X | X | X | | |
| CS53 | 3' | 8/18/2023 | 11:35 | X | | Comp | 1 | X | X | X | | |
| CS54 | 1.5' | 8/18/2023 | 11:40 | X | | Comp | 1 | X | X | X | | |

**Preservative Codes**

None: NO — DI Water: $H_2O$

Cool: Cool — MeOH: Me

HCL: HC — $HNO_3$: HN

$H_2S0_4$: $H_2$ — NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | | Tamara Latchkyk | 8-21-23 1540 | 2 | | | |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |



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NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234531

Page 4 of 5

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

| | |
|---|---|
| Project Name: | Diamondback 24-25 CTB |
| Project Number: | 226700 |
| Project Location | Lea County, NM |
| Sampler's Name: | Dmitry Nikanorov |
| PO #: | |

**Turn Around**: ☑ Routine ☐ Rush

Due Date:

TAT starts the day received by the lab, if received by 4:30pm

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Received Intact: | (Yes) No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | — |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | -1.1 |
| Total Containers: | ~~54~~ 44 | Corrected Temperature: | |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | CS55 | 1.5' | 8/18/2023 | 11:45 | X | | Comp | 1 | X | X | X | | |
| 32 | CS56 | 1.5' | 8/18/2023 | 11:50 | X | | Comp | 1 | X | X | X | | |
| 33 | CS57 | 1.5' | 8/18/2023 | 11:55 | X | | Comp | 1 | X | X | X | | |
| 34 | CS58 | 1.5' | 8/18/2023 | 12:00 | X | | Comp | 1 | X | X | X | | |
| 35 | CS59 | 1.5' | 8/18/2023 | 12:05 | X | | Comp | 1 | X | X | X | | |
| | CS60 | 1.5' | 8/18/2023 | 12:10 | X | | Comp | 1 | X | X | X | | |
| | CS61 | 1.5' | 8/18/2023 | 12:15 | X | | Comp | 1 | X | X | X | | |
| | CS62 | 1.5' | 8/18/2023 | 12:20 | X | | Comp | 1 | X | X | X | | |
| | CS63 | 1.5' | 8/18/2023 | 12:25 | X | | Comp | 1 | X | X | X | | |
| | CS64 | 1.5' | 8/18/2023 | 12:30 | X | | Comp | 1 | X | X | X | | |

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | DC | Tamara Wakefield | 8-2-23 1540 | 2 | | | |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |

Revised Date 05012020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

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Page 51 of 51

# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H234531

Page 1 of 5

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | |
| Project Number: | 226700 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, NM | Due Date: | |
| Sampler's Name: | Dmitry Nikanorov | TAT starts the day received by the lab, if received by 4:30pm | |
| PO # | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | -6.6 |
| Total Containers: | ~~54~~ 44 | Corrected Temperature: | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | CS65 | 1.5' | 8/18/2023 | 12:35 | X | | Comp | 1 | | X | X | X | | |
| 42 | CS66 | 1.5' | 8/18/2023 | 12:40 | X | | Comp | 1 | | X | X | X | | |
| 43 | CS67 | 1.5' | 8/18/2023 | 12:45 | X | | Comp | 1 | | X | X | X | | |
| 44 | CS68 | 1.5' | 8/18/2023 | 12:50 | X | | Comp | 1 | | X | X | X | | |

Parameters

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | DK | Tamara Oldaker | 8-21-23 1540 | 2 | | | |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |



Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

CARDINAL Laboratories

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

August 31, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/25/23 14:26.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 69 0.5' (H234647-01)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/29/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/29/2023 | ND | 173 | 86.6 | 200 | 0.487 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 175 | 87.5 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 70 0.5' (H234647-02)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/29/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/29/2023 | ND | 173 | 86.6 | 200 | 0.487 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 175 | 87.5 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *109 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *130 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 71 2' (H234647-03)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/29/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/29/2023 | ND | 173 | 86.6 | 200 | 0.487 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 175 | 87.5 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *104 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *123 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 72 2' (H234647-04)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/29/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/29/2023 | ND | 173 | 86.6 | 200 | 0.487 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 175 | 87.5 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *111 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 73 2' (H234647-05)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/29/2023 | ND | 173 | 86.6 | 200 | 0.487 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 175 | 87.5 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *98.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *118 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 74 2' (H234647-06)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/29/2023 | ND | 173 | 86.6 | 200 | 0.487 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 175 | 87.5 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *100 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *119 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 75 1' (H234647-07)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 08/29/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 08/29/2023 | ND | 173 | 86.6 | 200 | 0.487 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 175 | 87.5 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *99.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *116 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 76 1' (H234647-08)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *100 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 77 0.5' (H234647-09)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 78 0.5' (H234647-10)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.6 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 79 0.5' (H234647-11)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.83 | 91.6 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.4 | 2.00 | 5.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 92.9 | 2.00 | 5.84 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.54 | 92.4 | 6.00 | 6.77 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 80 0.5' (H234647-12)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | QR-03 |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | QM-07, QR-03 |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | QM-07, QR-03 |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *96.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *101 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 81 0.5' (H234647-13)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 01 0-4' (H234647-14)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *97.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 02 0-4' (H234647-15)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 03 0-4' (H234647-16)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.0 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 04 0-4' (H234647-17)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *97.3 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 05 4-12.5' (H234647-18)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 06 4-12.5' (H234647-19)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| **DRO >C10-C28*** | **29.3** | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.2 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 07 4-12.5' (H234647-20)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| **DRO >C10-C28*** | **34.5** | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 08 4-12.5' (H234647-21)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **224** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *80.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 09 0-12.5' (H234647-22)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *94.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 16 3-12.5' (H234647-23)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 17 0-3' (H234647-24)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.3 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 18 0-3' (H234647-25)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *99.4 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.1 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 19 0-3' (H234647-26)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.4 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 20 0-3' (H234647-27)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 161 | 80.7 | 200 | 3.65 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 156 | 78.0 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *97.0 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 21 1.5-3' (H234647-28)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *84.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 22 0-1.5' (H234647-29)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**Chloride, SM4500Cl-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 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 23 0-1.5' (H234647-30)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *82.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 24 0-1.5' (H234647-31)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.91 | 95.5 | 2.00 | 2.75 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.95 | 97.3 | 2.00 | 3.05 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 2.03 | 101 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 6.18 | 103 | 6.00 | 6.32 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *84.7 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 25 2-3' (H234647-32)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **112** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *87.0 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW 26 0-2' (H234647-33)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.0 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 01 4' (H234647-34)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *81.2 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 02 4' (H234647-35)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *87.5 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 03 4' (H234647-36)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| **DRO >C10-C28*** | **37.4** | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *76.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *77.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 04 4' (H234647-37)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1740** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| **DRO >C10-C28*** | **621** | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| **EXT DRO >C28-C36** | **88.9** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 05 4' (H234647-38)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *74.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *72.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 06 4' (H234647-39)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *80.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 07 4' (H234647-40)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *81.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 08 4' (H234647-41)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **416** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| **DRO >C10-C28*** | **15.5** | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.3 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 09 4' (H234647-42)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **944** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| **DRO >C10-C28*** | **177** | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| **EXT DRO >C28-C36** | **23.3** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.6 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 10 4' (H234647-43)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1120** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| **DRO >C10-C28*** | **379** | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| **EXT DRO >C28-C36** | **56.3** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *72.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *78.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 11 4' (H234647-44)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **256** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| **DRO >C10-C28*** | **51.4** | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| **EXT DRO >C28-C36** | **14.3** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *80.7 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 12 4' (H234647-45)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**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 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| **DRO >C10-C28*** | **32.8** | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *78.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 13 4' (H234647-46)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *113 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *77.5 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 14 4' (H234647-47)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **528** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 163 | 81.6 | 200 | 3.12 | |
| **DRO >C10-C28*** | **19.4** | 10.0 | 08/29/2023 | ND | 160 | 80.1 | 200 | 1.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *82.6 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 15 4' (H234647-48)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **624** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| **DRO >C10-C28*** | **104** | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| **EXT DRO >C28-C36** | **11.9** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.2 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 16 4' (H234647-49)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1630** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| **DRO >C10-C28*** | **485** | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| **EXT DRO >C28-C36** | **99.5** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *97.4 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 17 4' (H234647-50)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1280** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| **DRO >C10-C28*** | **367** | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| **EXT DRO >C28-C36** | **85.8** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *105 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 18 4' (H234647-51)

**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 | 08/30/2023 | ND | 1.78 | 89.2 | 2.00 | 3.02 | |
| Toluene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.79 | 89.5 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/30/2023 | ND | 1.86 | 93.2 | 2.00 | 2.58 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2023 | ND | 5.52 | 92.0 | 6.00 | 3.09 | |
| Total BTEX | <0.300 | 0.300 | 08/30/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **640** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| **DRO >C10-C28*** | **123** | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| **EXT DRO >C28-C36** | **22.7** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *100 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 19 4' (H234647-52)

**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 | 08/29/2023 | ND | 1.85 | 92.5 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.15 | 108 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.20 | 110 | 2.00 | 4.28 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2023 | ND | 6.56 | 109 | 6.00 | 5.27 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **112** | 16.0 | 08/29/2023 | ND | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/24/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 20 4' (H234647-53)

**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 | 08/29/2023 | ND | 1.85 | 92.5 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.15 | 108 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.20 | 110 | 2.00 | 4.28 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2023 | ND | 6.56 | 109 | 6.00 | 5.27 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *91.0 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **880** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| **DRO >C10-C28*** | **26.6** | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *91.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 21 4' (H234647-54)

**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 | 08/29/2023 | ND | 1.85 | 92.5 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.15 | 108 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.20 | 110 | 2.00 | 4.28 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2023 | ND | 6.56 | 109 | 6.00 | 5.27 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *91.3 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **656** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| **DRO >C10-C28*** | **12.8** | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.5 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 22 4' (H234647-55)

**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 | 08/29/2023 | ND | 1.85 | 92.5 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.15 | 108 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.20 | 110 | 2.00 | 4.28 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2023 | ND | 6.56 | 109 | 6.00 | 5.27 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *98.7 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **464** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| **DRO >C10-C28*** | **15.5** | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.6 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 23 4' (H234647-56)

**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 | 08/29/2023 | ND | 1.85 | 92.5 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.15 | 108 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.20 | 110 | 2.00 | 4.28 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2023 | ND | 6.56 | 109 | 6.00 | 5.27 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **768** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| **DRO >C10-C28*** | **248** | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| **EXT DRO >C28-C36** | **43.3** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.9 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/25/2023 | Sampling Date: | 08/23/2023 |
| Reported: | 08/31/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Tamara Oldaker |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS 24 4' (H234647-57)

**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 | 08/29/2023 | ND | 1.85 | 92.5 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.15 | 108 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2023 | ND | 2.20 | 110 | 2.00 | 4.28 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2023 | ND | 6.56 | 109 | 6.00 | 5.27 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **608** | 16.0 | 08/29/2023 | 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 | 08/29/2023 | ND | 173 | 86.3 | 200 | 0.892 | |
| **DRO >C10-C28*** | **205** | 10.0 | 08/29/2023 | ND | 172 | 86.0 | 200 | 0.0308 | |
| **EXT DRO >C28-C36** | **37.6** | 10.0 | 08/29/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *94.8 %* *49.1-148*

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

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# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H234647

Page 1 of 6

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

| | |
|---|---|
| Project Name: | Diamondback 24-25 CTB |
| Project Number: | 226700 |
| Project Location | Lea County, NM |
| Sampler's Name: | Dmitry Nikanorov |
| PO #: | |

**Turn Around**: ☑ Routine ☐ Rush

Due Date:

TAT starts the day received by the lab, if received by 4:30pm

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Received Intact: | (Yes) No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | — |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | 0.3c |
| Total Containers: | ~~64~~ 57 | Corrected Temperature: | — |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CS69 | 0.5' | 8/23/2023 | 11:00 | X | | Comp | 1 | X | X | X | | CS75, CS76 taken at 1' Jars Say 0.5' or 6" (please refer to COC) |
| 2 | CS70 | 0.5' | 8/23/2023 | 11:05 | X | | Comp | 1 | X | X | X | | |
| 3 | CS71 | 2' | 8/23/2023 | 11:10 | X | | Comp | 1 | X | X | X | | |
| 4 | CS72 | 2' | 8/23/2023 | 11:15 | X | | Comp | 1 | X | X | X | | |
| 5 | CS73 | 2' | 8/23/2023 | 11:20 | X | | Comp | 1 | X | X | X | | |
| 6 | CS74 | 2' | 8/23/2023 | 11:25 | X | | Comp | 1 | X | X | X | | |
| 7 | CS75 | 1' | 8/24/2023 | 11:30 | X | | Comp | 1 | X | X | X | | |
| 8 | CS76 | 1' | 8/24/2023 | 11:35 | X | | Comp | 1 | X | X | X | | |
| 9 | CS77 | 0.5' | 8/24/2023 | 11:40 | X | | Comp | 1 | X | X | X | | |
| 10 | CS78 | 0.5' | 8/24/2023 | 11:45 | X | | Comp | 1 | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | | 8/25/23 | 8:50 am | 2 | | 8-25-23 1426 |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date: 05012020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

Page 704 of 917

Page 61 of 65

NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234647

Page 2 of 6

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | ☑ Routine ☐ Rush |
| Project Number: | 226700 | Due Date: | |
| Project Location | Lea County, NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Dmitry Nikanorov | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | 0.3c |
| Total Containers: | 54 | Corrected Temperature: | — |

**Preservative Codes**

None: NO — DI Water: $H_2O$

Cool: Cool — MeOH: Me

HCL: HC — $HNO_3$: HN

$H_2SO_4$: $H_2$ — NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | CS79 | 0.5' | 8/24/2023 | 11:45 | X | | Comp | 1 | | X | X | X | | |
| 12 | CS80 | 0.5' | 8/24/2023 | 11:50 | X | | Comp | 1 | | X | X | X | | |
| 13 | CS81 | 0.5' | 8/24/2023 | 11:55 | X | | Comp | 1 | | X | X | X | | |
| 14 | SW01 | 0-4' | 8/24/2023 | 12:00 | X | | Comp | 1 | | X | X | X | | |
| 15 | SW02 | 0-4' | 8/24/2023 | 12:05 | X | | Comp | 1 | | X | X | X | | |
| 16 | SW03 | 0-4' | 8/24/2023 | 12:10 | X | | Comp | 1 | | X | X | X | | |
| 17 | SW04 | 0-4' | 8/24/2023 | 12:15 | X | | Comp | 1 | | X | X | X | | |
| 18 | SW05 | 4-12.5' | 8/24/2023 | 12:20 | X | | Comp | 1 | | X | X | X | | |
| 19 | SW06 | 4-12.5' | 8/24/2023 | 12:25 | X | | Comp | 1 | | X | X | X | | |
| 20 | SW07 | 4-12.5' | 8/24/2023 | 12:30 | X | | Comp | 1 | | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | DN | Kenzie 8/25/23 | 8:50am | 2 Tewell | Tamara Baldwin | 8.25.23 1426 |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date 05012020 Rev. 2020 1

Received by OCD: 12/14/2024 12:00:14 AM

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Page 705 of 917

Page 62 of 65

NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234647

Page 3 of 6

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | ☑ Routine ☐ Rush |
| Project Number: | 226700 | Due Date: | |
| Project Location | Lea County, NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Dmitry Nikanorov | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | 0.3c |
| Total Containers: | 30 | Corrected Temperature: | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_2$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | SW08 | 4-12.5' | 8/24/2023 | 12:35 | X | | Comp | 1 | | X | X | X | | |
| 22 | SW09 | 0-12.5' | 8/24/2023 | 12:40 | X | | Comp | 1 | | X | X | X | | |
| 23 | SW16 | 3-12.5' | 8/24/2023 | 12:45 | X | | Comp | 1 | | X | X | X | | |
| 24 | SW17 | 0-3' | 8/24/2023 | 12:50 | X | | Comp | 1 | | X | X | X | | |
| 25 | SW18 | 0-3' | 8/24/2023 | 12:55 | X | | Comp | 1 | | X | X | X | | |
| 26 | SW19 | 0-3' | 8/24/2023 | 13:00 | X | | Comp | 1 | | X | X | X | | |
| 27 | SW20 | 0-3' | 8/24/2023 | 13:05 | X | | Comp | 1 | | X | X | X | | |
| 28 | SW21 | 1.5-3' | 8/24/2023 | 13:10 | X | | Comp | 1 | | X | X | X | | |
| 29 | SW22 | 0-1.5' | 8/24/2023 | 13:15 | X | | Comp | 1 | | X | X | X | | |
| 30 | SW23 | 0-1.5' | 8/24/2023 | 13:20 | X | | Comp | 1 | | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | DV | Kenzie 8/25/23 | 8/25 LH 8:50 am | 2 Kenzie | Tamara Wolfe | 8-25-26 1426 |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date 08012020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

Page 706 of 917

Page 63 of 65

NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234647

Page 4 of 6

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | ☑ Routine ☐ Rush |
| Project Number: | 226700 | Due Date: | |
| Project Location: | Lea County, NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Dmitry Nikanorov | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 146 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | 0.3c |
| Total Containers: | 54 57 | Corrected Temperature: | — |

**Preservative Codes**

None: NO — DI Water: $H_2O$

Cool: Cool — MeOH: Me

HCL: HC — $HNO_3$: HN

$H_2SO_4$: $H_2$ — NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | SW24 | 0-1.5' | 8/24/2023 | 13:25 | X | | Comp | 1 | | X | X | X | | |
| 32 | SW25 | 2-3' | 8/24/2023 | 13:30 | X | | Comp | 1 | | X | X | X | | |
| 33 | SW26 | 0-2' | 8/24/2023 | 13:35 | X | | Comp | 1 | | X | X | X | | |
| 34 | CS01 | 4' | 8/23/2023 | 11:30 | X | | Comp | 1 | | X | X | X | | |
| 35 | CS02 | 4' | 8/23/2023 | 11:35 | X | | Comp | 1 | | X | X | X | | |
| 36 | CS03 | 4' | 8/23/2023 | 11:40 | X | | Comp | 1 | | X | X | X | | |
| 37 | CS04 | 4' | 8/23/2023 | 11:45 | X | | Comp | 1 | | X | X | X | | |
| 38 | CS05 | 4' | 8/23/2023 | 11:50 | X | | Comp | 1 | | X | X | X | | |
| 39 | CS06 | 4' | 8/23/2023 | 11:55 | X | | Comp | 1 | | X | X | X | | |
| 40 | CS07 | 4' | 8/23/2023 | 12:00 | X | | Comp | 1 | | X | X | X | | |

Additional Comments:

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | DL | 8/25/23 | 8:50 am | 2 | | | 8-25-23 1426 |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |

Revised Date 05012020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

NTG ENVIRONMENTAL

# Chain of Custody

Work Order No: H234647

Page 5 of 6

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | ☑ Routine ☐ Rush |
| Project Number: | 226700 | Due Date: | |
| Project Location | Lea County, NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Dmitry Nikanorov | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No |
| Received Intact: | Yes No | Thermometer ID: | 140 |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | — |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | 0.3c |
| Total Containers: | 54 57 | Corrected Temperature: | — |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | CS08 | 4' | 8/23/2023 | 12:05 | X | | Comp | 1 | X | X | X | | |
| 42 | CS09 | 4' | 8/23/2023 | 12:10 | X | | Comp | 1 | X | X | X | | |
| 43 | CS10 | 4' | 8/23/2023 | 12:15 | X | | Comp | 1 | X | X | X | | |
| 44 | CS11 | 4' | 8/23/2023 | 12:20 | X | | Comp | 1 | X | X | X | | |
| 45 | CS12 | 4' | 8/23/2023 | 12:25 | X | | Comp | 1 | X | X | X | | |
| 46 | CS13 | 4' | 8/23/2023 | 12:30 | X | | Comp | 1 | X | X | X | | |
| 47 | CS14 | 4' | 8/23/2023 | 12:35 | X | | Comp | 1 | X | X | X | | |
| 48 | CS15 | 4' | 8/23/2023 | 12:40 | X | | Comp | 1 | X | X | X | | |
| 49 | CS16 | 4' | 8/23/2023 | 12:45 | X | | Comp | 1 | X | X | X | | |
| 50 | CS17 | 4' | 8/23/2023 | 12:50 | X | | Comp | 1 | X | X | X | | |

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|
| 1 | DL | [signature] 8/25/23 | 8:50 am | 2 [signature] | Tamara Latchford | 8-25-26 1426 |
| 3 | | | | 4 | | |
| 5 | | | | 6 | | |

Revised Date 05012020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

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Page 708 of 917

Page 65 of 65

# Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H234647

Page 6 of 6

| | | | |
|---|---|---|---|
| Project Manager: | Becky Haskell | Bill to: (if different) | Chris Martin |
| Company Name: | NTG Environmental | Company Name: | Earthstone |
| Address: | 209 W McKay St | Address: | |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | |
| Phone: | 432-766-1918 | Email: | bhaskell@ntglobal.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Diamondback 24-25 CTB | Turn Around | ☑ Routine ☐ Rush |
| Project Number: | 226700 | Due Date: | |
| Project Location | Lea County, NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Dmitry Nikanorov | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Received Intact: | Yes No | Temp Blank: | Yes No |
| Cooler Custody Seals: | Yes No N/A | Wet Ice: | Yes No |
| Sample Custody Seals: | Yes No N/A | Thermometer ID: | 140 |
| Total Containers: | 57 | Correction Factor: | — |
| | | Temperature Reading: | 0.3°C |
| | | Corrected Temperature: | — |

| | Sample Identification | Depth | Date | Time | Soil | Water | Grab/ Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 | HOLD | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | CS18 | 4' | 8/24/2023 | 12:55 | X | | Comp | 1 | X | X | X | | |
| 52 | CS19 | 4' | 8/24/2023 | 13:00 | X | | Comp | 1 | X | X | X | | |
| 53 | CS20 | 4' | 8/24/2023 | 13:05 | X | | Comp | 1 | X | X | X | | |
| 54 | CS21 | 4' | 8/23/2023 | 13:10 | X | | Comp | 1 | X | X | X | | |
| 55 | CS22 | 4' | 8/23/2023 | 13:15 | X | | Comp | 1 | X | X | X | | |
| 56 | CS23 | 4' | 8/23/2023 | 13:20 | X | | Comp | 1 | X | X | X | | |
| 57 | CS24 | 4' | 8/23/2023 | 13:25 | X | | Comp | 1 | X | X | X | | |

Pres. Code / Parameters

**Preservative Codes**

None: NO — DI Water: $H_2O$

Cool: Cool — MeOH: Me

HCL: HC — $HNO_3$: HN

$H_2S0_4$: $H_2$ — NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

**Additional Comments:**

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| | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|---|---|
| 1 | DN | [signature] 8/25/23 | 8:50 am | 2 | [signature] | [signature] | 8.25.23 1426 |
| 3 | | | | 4 | | | |
| 5 | | | | 6 | | | |

Revised Date 05012020 Rev. 2020.1

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

CARDINAL Laboratories

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

September 06, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/31/23 15:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 82 1.5' (H234747-01)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *103 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *115 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 83 1.5' (H234747-02)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg **Analyzed By: AC**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <16.0 | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *103 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 84 1.5' (H234747-03)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *107 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *119 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 85 1.5' (H234747-04)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *98.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *109 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 86 1.5' (H234747-05)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *102 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 87 1.5' (H234747-06)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *106 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 88 1.5' (H234747-07)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 89 1.5' (H234747-08)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *100 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 90 1.5' (H234747-09)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *99.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 91 1.5' (H234747-10)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *106 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *116 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 92 1.5' (H234747-11)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *103 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 93 1.5' (H234747-12)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *100 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *112 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 94 1.5' (H234747-13)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *102 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 95 1.5' (H234747-14)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *107 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 96 1.5' (H234747-15)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *99.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 97 1.5' (H234747-16)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *105 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 98 1.5' (H234747-17)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 186 | 93.0 | 200 | 2.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 165 | 82.7 | 200 | 4.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *97.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 99 1.5' (H234747-18)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *90.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *92.7 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 100 1.5' (H234747-19)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 100 | 2.00 | 2.62 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.90 | 95.1 | 2.00 | 3.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.97 | 98.7 | 2.00 | 2.61 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.90 | 98.4 | 6.00 | 2.52 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.6 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 101 1.5' (H234747-20)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.4 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 102 1.5' (H234747-21)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *101 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.2 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 103 1.5' (H234747-22)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.5 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 104 1.5' (H234747-23)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *94.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 105 1.5' (H234747-24)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *86.2 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 10 0-12.5' (H234747-25)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **6640** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 11 0-12.5' (H234747-26)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **7680** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 12 0-12.5' (H234747-27)

**BTEX 8021B** mg/kg Analyzed By: MS S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| **Toluene*** | **2.76** | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| **Ethylbenzene*** | **5.93** | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| **Total Xylenes*** | **19.5** | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| **Total BTEX** | **28.2** | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *223 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2480** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **301** | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| **DRO >C10-C28*** | **5570** | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| **EXT DRO >C28-C36** | **1040** | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *123 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *119 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 13 0-12.5' (H234747-28)

**BTEX 8021B** mg/kg Analyzed By: MS S-04

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| **Toluene*** | **0.277** | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| **Ethylbenzene*** | **1.03** | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| **Total Xylenes*** | **3.08** | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| **Total BTEX** | **4.39** | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *147 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **4560** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **85.7** | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| **DRO >C10-C28*** | **3000** | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| **EXT DRO >C28-C36** | **602** | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *98.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *85.8 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 14 0-12.5' (H234747-29)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **208** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/05/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/05/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/05/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *110 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 15 0-12.5' (H234747-30)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **608** | 16.0 | 09/01/2023 | ND | 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 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *91.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 27 0-1' (H234747-31)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 28 0-6'' (H234747-32)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 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 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/30/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 29 0-6'' (H234747-33)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.5 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 106 4' (H234747-34)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **784** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 107 4' (H234747-35)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **576** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 108 4' (H234747-36)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **896** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 109 4' (H234747-37)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.4 | 200 | 1.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 192 | 95.8 | 200 | 1.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *89.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 110 4' (H234747-38)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *102 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| **DRO >C10-C28*** | **37.2** | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *92.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 111 4' (H234747-39)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.00 | 99.8 | 2.00 | 0.697 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.91 | 95.5 | 2.00 | 0.825 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 0.291 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 5.83 | 97.2 | 6.00 | 0.669 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *103 %* *71.5-134*

**Chloride, SM4500Cl-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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 112 4' (H234747-40)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.6 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 113 4' (H234747-41)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 114 4' (H234747-42)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *71.5-134*

**Chloride, SM4500Cl-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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.8 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: CS - 115 4' (H234747-43)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *90.2 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 30 0-4' (H234747-44)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 31 0-4' (H234747-45)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *85.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 32 0-4' (H234747-46)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 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 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *90.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 33 0-4' (H234747-47)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *91.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 34 0-4' (H234747-48)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **304** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 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 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *96.1 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 35 0-4' (H234747-49)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **32.0** | 16.0 | 09/01/2023 | ND | 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 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *88.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *94.5 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 36 1.5-4' (H234747-50)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/01/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *90.7 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 37 0-1.5' (H234747-51)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **448** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *86.4 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 38 0-1.5' (H234747-52)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **512** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.7 %* *49.1-148*

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 39 0-1.5' (H234747-53)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **432** | 16.0 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *99.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/31/2023 | Sampling Date: | 08/31/2023 |
| Reported: | 09/06/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - LEA COUNTY, NM | | |

### Sample ID: SW - 40 0-6'' (H234747-54)

**BTEX 8021B** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.94 | 97.2 | 2.00 | 1.69 | |
| Toluene* | <0.050 | 0.050 | 09/02/2023 | ND | 1.95 | 97.4 | 2.00 | 2.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2023 | ND | 2.11 | 106 | 2.00 | 0.998 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2023 | ND | 6.39 | 106 | 6.00 | 0.155 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-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 | 09/01/2023 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2023 | ND | 172 | 85.8 | 200 | 0.179 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2023 | ND | 183 | 91.6 | 200 | 2.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *94.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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, Lab Director/Quality Manager

# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 6

| | | | |
|---|---|---|---|
| Company Name: | XTO | **BILL TO** P.O. #: | |
| Project Manager: | Becky Haskell | Company: | Earthstone |
| Address: | 701 Travelwinds Blvd | Attn: | Chris Martin |
| City: | Midland | State: TX Zip: 79701 | Address: |
| Phone #: | 432-766-1918 | Fax #: | City: |
| Project #: | 226700 | Project Owner: Earthstone | State: Zip: |
| Project Name: | Diamondback 24-25 CTB | | Phone #: |
| Project Location: | Lea Co, NM | | Fax #: |
| Sampler Name: | Kenny Han | | |

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | PRESERV.: ACID/BASE: | ICE / COOL | OTHER: | SAMPLING DATE | SAMPLING TIME | ANALYSIS REQUEST: BTEX | TPH | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234747 | | | | | | | | | | | | | | | | | | |
| 1 | CS-82 | 1.5' | C | 1 | | | X | | | | | | | 8/30/23 | 11:00 | | | |
| 2 | CS-83 | | | | | | | | | | | | | | 11:03 | | | |
| 3 | CS-84 | | | | | | | | | | | | | | 11:06 | | | |
| 4 | CS-85 | | | | | | | | | | | | | | 11:09 | | | |
| 5 | CS-86 | | | | | | | | | | | | | | 11:12 | | | |
| 6 | CS-87 | | | | | | | | | | | | | | 11:15 | | | |
| 7 | CS-88 | | | | | | | | | | | | | | 11:18 | | | |
| 8 | CS-89 | | | | | | | | | | | | | | 11:21 | | | |
| 9 | CS-90 | | | | | | | | | | | | | | 11:24 | | | |
| 10 | CS-91 | | | | | | | | | | | | | | 11:27 | | | |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8/31/23 Time: 15:21 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | All Results are emailed. Please provide Email address: |
| Delivered By: (Circle One) | Observed Temp. °C 1.9°C | Sample Condition Cool ☑ Yes Intact ☑ Yes | REMARKS: |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C #140 | ☐ No ☐ No | CHECKED BY: (Initials) |
| Turnaround Time: | Standard ☑ Rush ☐ | Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No | Observed Temp. °C Corrected Temp. °C |
| Thermometer ID #140 Correction Factor 0°C | | | |

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# CARDINAL Laboratories

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 6

| | | | |
|---|---|---|---|
| Company Name: | NGE | **BILL TO** P.O. #: | KH 8/31/23 |
| Project Manager: | Becky Haskell | Company: | ~~Ensolum~~ Earthstone |
| Address: | 701 Tradewinds Blvd | Attn: | Chris Martin |
| City: | Midland | State: TX Zip: | 79701 |
| Phone #: | 432-766-1918 | Fax #: | |
| Project #: | 226700 | Project Owner: | Earthstone |
| Project Name: | Diamondback 24-25 CTB | | |
| Project Location: | Lea Co, NM | | |
| Sampler Name: | Kenny Hern | | |

| FOR LAB USE ONLY | | | | | MATRIX | | | | | | | PRESERV. | | | SAMPLING | | ANALYSIS REQUEST | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | BTEX | TPH | Chloride |
| H234747 | | | | | | | | | | | | | | | | | | |
| 11 | CS-92 | 1.5' | C | 1 | | | X | | | | | | | 8/30/23 | 11:30 | | | |
| 12 | CS-93 | | | | | | | | | | | | | | 11:33 | | | |
| 13 | CS-94 | | | | | | | | | | | | | | 11:36 | | | |
| 14 | CS-95 | | | | | | | | | | | | | | 11:39 | | | |
| 15 | CS-96 | | | | | | | | | | | | | | 11:42 | | | |
| 16 | CS-97 | | | | | | | | | | | | | | 11:45 | | | |
| 17 | CS-98 | | | | | | | | | | | | | | 11:48 | | | |
| 18 | CS-99 | | | | | | | | | | | | | | 11:51 | | | |
| 19 | CS-100 | | | | | | | | | | | | | | 11:54 | | | |
| 20 | CS-101 | | | | | | | | | | | | | | 11:57 | | | |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8/31/23 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | Time: 15:21 | | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | REMARKS: |
| | Time: | | |

| | | | | |
|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 1.9°C #1110 | Sample Condition Cool Intact | CHECKED BY: (Initials) | Turnaround Time: Standard ☑ Rush ☐ |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | ☑ Yes ☐ Yes ☐ No ☐ No | | Thermometer ID #140 Correction Factor 0°C |

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 6

| | | BILL TO | |
|---|---|---|---|
| Company Name: | NTGE | P.O. #: | |
| Project Manager: | Becky Haskell | Company: | Earthstone |
| Address: | 701 Tradewinds Blvd | Attn: | Chris Morton |
| City: | Midland | State: TX Zip: | 79701 |
| Phone #: | 432-766-1918 | Fax #: | |
| Project #: | 226700 | Project Owner: | Earthstone |
| Project Name: | Diamondback 24-25 CTB | | |
| Project Location: | Lea Co, NM | | |
| Sampler Name: | Kenny Hay | | |

| FOR LAB USE ONLY | | | | | MATRIX | | | | | | PRESERV. | | | SAMPLING | | ANALYSIS REQUEST | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | BTEX | TPH | Chloride |
| H234747 | | | | | | | | | | | | | | | | | | |
| 21 | CS-102 | 1.5' | C | 1 | | | X | | | | | | | 8/30/23 | 12:00 | | | |
| 22 | CS-103 | | | | | | | | | | | | | | 12:03 | | | |
| 23 | CS-104 | | | | | | | | | | | | | | 12:06 | | | |
| 24 | CS-105 | | | | | | | | | | | | | | 12:09 | | | |
| 25 | SW-10 | 0-1.25' | | | | | | | | | | | | | 12:12 | | | |
| 26 | SW-11 | | | | | | | | | | | | | | 12:15 | | | |
| 27 | SW-12 | | | | | | | | | | | | | | 12:18 | | | |
| 28 | SW-13 | | | | | | | | | | | | | | 12:21 | | | |
| 29 | SW-14 | | | | | | | | | | | | | | 12:24 | | | |
| 30 | SW-15 | | | | | | | | | | | | | | 12:27 | | | |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8/31/23 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | Time: 10:21 | | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | REMARKS: |
| | Time: | | |

| | | | | | |
|---|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 1.9°C | Sample Condition | CHECKED BY: | Turnaround Time: Standard ☑ | Bacteria (only) Sample Condition |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C #140 | Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No | (Initials) | Rush ☐ | Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No / Observed Temp. °C / Corrected Temp. °C |
| | | | | Thermometer ID #140 Correction Factor 0°C | |

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 6

| | |
|---|---|
| Company Name: | NTGE |
| Project Manager: | Becky Haskell |
| Address: | 701 Tradewinds Blvd |
| City: | Midland State: TX Zip: 79701 |
| Phone #: | 432-766-1918 Fax #: |
| Project #: | 226700 Project Owner: Earthstone |
| Project Name: | Diamondback 24-25 CTB |
| Project Location: | Lea Co, NM |
| Sampler Name: | Kenny Han |

**BILL TO**

| | |
|---|---|
| P.O. #: | |
| Company: | Earthstone |
| Attn: | Chris Martin |
| Address: | |
| City: | |
| State: | Zip: |
| Phone #: | |
| Fax #: | |

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME | BTEX | TPH | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234747 | | | | | | | | | | | | | | | | | | |
| 31 | SW - 27 | 0-1' | C | 1 | | | X | | | | | | | 8/30/23 | 12:30 | | | |
| 32 | SW - 28 | 0-6" | | | | | | | | | | | | | 12:33 | | | |
| 33 | SW - 29 | 0-6" | | | | | | | | | | | | | 12:36 | | | |
| 34 | CS-106 | 4' | | | | | | | | | | | | 8/31/23 | 11:00 | | | |
| 35 | CS-107 | | | | | | | | | | | | | | 11:03 | | | |
| 36 | CS-108 | | | | | | | | | | | | | | 11:06 | | | |
| 37 | CS-109 | | | | | | | | | | | | | | 11:09 | | | |
| 38 | CS-110 | | | | | | | | | | | | | | 11:12 | | | |
| 39 | CS-111 | | | | | | | | | | | | | | 11:15 | | | |
| 40 | CS-112 | | | | | | | | | | | | | | 11:18 | | | |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8/31/23 | Received By: | |
| Relinquished By: | Date: Time: | Received By: | |
| Delivered By: (Circle One) | Observed Temp. °C 1.9°C #140 | Sample Condition Cool / Intact | CHECKED BY: (Initials) |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | ☐ Yes ☑ Yes ☐ No ☐ No | |

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor 0°C

Bacteria (only) Sample Condition
Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 6

| | |
|---|---|
| Company Name: | XTO E |
| Project Manager: | Becky Haskell |
| Address: | 701 Travis Blvd |
| City: | Midland State: TX Zip: 79701 |
| Phone #: | 432-766-1918 Fax #: |
| Project #: | 226700 Project Owner: Earthstone |
| Project Name: | Diamond Back 24-25 CTB |
| Project Location: | Lea Co, NM |
| Sampler Name: | Kenny Han |

**BILL TO**

| | |
|---|---|
| P.O. #: | |
| Company: | Earthstone |
| Attn: | Chris Martin |
| Address: | |
| City: | |
| State: | Zip: |
| Phone #: | |
| Fax #: | |

**ANALYSIS REQUEST**

BTEX, TPH, Chloride

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234747 | | | | | | | | | | | | | | | |
| 41 | CS-113 | 4' | C | 1 | | | X | | | | | | | 8/31/23 | 11:21 |
| 42 | CS-114 | ↓ | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 11:24 |
| 43 | CS-115 | ↓ | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 11:27 |
| 44 | SW-30 | 0-4' | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 11:30 |
| 45 | SW-31 | ↓ | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 11:33 |
| 46 | SW-32 | ↓ | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 11:36 |
| 47 | SW-33 | ↓ | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 11:39 |
| 48 | SW-34 | ↓ | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 11:42 |
| 49 | SW-35 | ↓ | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 11:45 |
| 50 | SW-36 | 1.5-4' | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 11:48 |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8/31/23 | Received By: | |
| | Time: 15:21 | | |
| Relinquished By: | Date: | Received By: | |
| | Time: | | |

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

| | | | | | |
|---|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 1.5°C #140 | Sample Condition Cool / Intact ☐ Yes ☑ Yes ☐ No ☐ No | CHECKED BY: (Initials) | Turnaround Time: Standard ☑ Rush ☐ | Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | | | Thermometer ID #140 Correction Factor 0°C | Observed Temp. °C Corrected Temp. °C |

FORM-006 R 3.4 07/11/23

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Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

Page 770 of 917



# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6 of 6

| | | | |
|---|---|---|---|
| Company Name: | NTGE | **BILL TO** P.O. #: | |
| Project Manager: | Becky Haskell | Company: | Earthstone |
| Address: | 701 Travis Blvd | Attn: | Chris Martin |
| City: | Midland | State: TX Zip: 79701 | Address: |
| Phone #: | 432-766-1918 | Fax #: | City: |
| Project #: | 226700 | Project Owner: Earthstone | State: Zip: |
| Project Name: | Diamondback 24-25 CTB | | Phone #: |
| Project Location: | Lea Co, NM | | Fax #: |
| Sampler Name: | Kenny Hunt | | |

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME | BTEX | TPH | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234747 | | | | | | | | | | | | | | | | | | |
| 51 | SW-37 | 0-1.5' | C | 1 | | | X | | | | | | | 8/31/23 | 11:51 | | | |
| 52 | SW-38 | ↓ | ↓ | ↓ | | | ↓ | | | | | | | | 11:54 | | | |
| 53 | SW-39 | ↓ | ↓ | ↓ | | | ↓ | | | | | | | | 11:57 | | | |
| 54 | SW-40 | 0-6" | ↓ | ↓ | | | ↓ | | | | | | | ↓ | 12:00 | ↓ | ↓ | ↓ |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 8/31/23 Time: 15:21 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: Time: | Received By: | REMARKS: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C 1.9°C #140 Corrected Temp. °C | Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No | CHECKED BY: (Initials) |

Turnaround Time: ☑ Standard ☐ Rush
Thermometer ID #140
Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

CARDINAL Laboratories

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

March 04, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK

Enclosed are the results of analyses for samples received by the laboratory on 09/19/23 13:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| CS - 116 (4') | H235078-01 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 117 (4') | H235078-02 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 118 (11') | H235078-03 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 119 (11') | H235078-04 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 120 (11') | H235078-05 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 121 (8') | H235078-06 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 122 (8') | H235078-07 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 123 (8') | H235078-08 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 124 (3') | H235078-09 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 125 (3') | H235078-10 | Soil | 19-Sep-23 09:00 | 19-Sep-23 13:18 |
| CS - 126 (3') | H235078-11 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 41 (0-4') | H235078-12 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 42 (4-11') | H235078-13 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 43 (0-8') | H235078-14 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 44 (0-8') | H235078-15 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 45 (0-8') | H235078-16 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 46 (0-8') | H235078-17 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 47 (3-8') | H235078-18 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 48 (8-11') | H235078-19 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 49 (8-11') | H235078-20 | Soil | 19-Sep-23 09:30 | 19-Sep-23 13:18 |
| SW - 50 (0-11') | H235078-21 | Soil | 19-Sep-23 10:00 | 19-Sep-23 13:18 |
| SW - 51 (0-11') | H235078-22 | Soil | 19-Sep-23 10:00 | 19-Sep-23 13:18 |
| SW - 52 (0-11') | H235078-23 | Soil | 19-Sep-23 10:00 | 19-Sep-23 13:18 |
| SW - 53 (3-11') | H235078-24 | Soil | 19-Sep-23 10:00 | 19-Sep-23 13:18 |
| SW - 54 (3'-11') | H235078-25 | Soil | 19-Sep-23 10:00 | 19-Sep-23 13:18 |
| SW - 55 (1-3') | H235078-26 | Soil | 19-Sep-23 10:00 | 19-Sep-23 13:18 |

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

09/27/23 - We logged in the incorrect sample ID for -16, client discovered it. This is the corrected report and will replace the one sent on 09/25/23.

03/04/24 - Client changed the sample IDs on -25 and -26 (see COC). This is the 2nd revision of the report and will replace the one sent on 09/27/23.

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 116 (4')

**H235078-01 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **2840** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| **Toluene*** | **0.063** | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| **Ethylbenzene*** | **0.255** | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **1.88** | | 0.150 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| **Total BTEX** | **2.20** | | 0.300 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *132 %* | *71.5-134* | | *3092006* | JH | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-04** |
| **GRO C6-C10*** | **264** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **8840** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **1890** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *146 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *217 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 117 (4')

**H235078-02 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **2120** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC |
| **Toluene*** | **0.686** | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| **Ethylbenzene*** | **1.50** | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **16.1** | | 0.150 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| **Total BTEX** | **18.3** | | 0.300 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *718 %* | *71.5-134* | | *3092006* | JH | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-04** |
| **GRO C6-C10*** | **811** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **6430** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **1300** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *172 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *145 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 118 (11')

**H235078-03 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1950** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| **Ethylbenzene*** | **0.090** | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **0.512** | | 0.150 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| **Total BTEX** | **0.602** | | 0.300 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *133 %* | *71.5-134* | | *3092006* | JH | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| **GRO C6-C10*** | **13.9** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **465** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **92.9** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *98.4 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *121 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 119 (11')

**H235078-04 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **560** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *119 %* | *71.5-134* | | *3092006* | JH | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *93.6 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *106 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 120 (11')

**H235078-05 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1840** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *107 %* | *71.5-134* | | *3092006* | JH | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **215** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **44.8** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *92.8 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *106 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 121 (8')

**H235078-06 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **480** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| **Total Xylenes*** | **0.161** | | 0.150 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *135 %* | *71.5-134* | | *3092006* | JH | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **925** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **206** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *81.0 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *101 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 122 (8')

**H235078-07 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **128** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092006 | JH | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *110 %* | *71.5-134* | | *3092006* | JH | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **168** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **33.6** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *84.8 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *96.0 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 123 (8')

**H235078-08 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **192** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| **Ethylbenzene*** | **0.093** | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **0.488** | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | GC-NC1 |
| **Total BTEX** | **0.581** | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *125 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| **GRO C6-C10*** | **25.7** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **738** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **144** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *97.5 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *115 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 124 (3')

**H235078-09 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **512** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *106 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **34.4** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **13.6** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *96.5 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *110 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 125 (3')

**H235078-10 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **496** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *115 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| **GRO C6-C10*** | **12.6** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **864** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **192** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *100 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *124 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### CS - 126 (3')

**H235078-11 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **48.0** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *107 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **11.0** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *92.6 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *106 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 41 (0-4')

**H235078-12 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **2030** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *108 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *92.1 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *104 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 42 (4-11')

**H235078-13 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1120** | | 16.0 | mg/kg | 4 | 3092022 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *108 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **151** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **33.4** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *107 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *122 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 43 (0-8')

**H235078-14 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **80.0** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *107 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **18.3** | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092004 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *92.8 %* | *48.2-134* | | *3092004* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *103 %* | *49.1-148* | | *3092004* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 44 (0-8')

**H235078-15 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **32.0** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| **Ethylbenzene*** | **0.093** | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **0.600** | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | GC-NC1 |
| **Total BTEX** | **0.693** | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *133 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| **GRO C6-C10*** | **41.6** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **896** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | QM-07 |
| **EXT DRO >C28-C36** | **155** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *93.9 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *110 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 45 (0-8')

**H235078-16 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **64.0** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *107 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *88.1 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *90.3 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 46 (0-8')

**H235078-17 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **48.0** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *109 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *83.5 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *84.7 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 47 (3-8')

**H235078-18 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **64.0** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *109 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *72.8 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *74.0 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 48 (8-11')

**H235078-19 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **320** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| **Ethylbenzene*** | **0.177** | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **0.902** | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | GC-NC1 |
| **Total BTEX** | **1.08** | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *131 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| **GRO C6-C10*** | **24.1** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **1010** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **176** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *67.2 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *91.3 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 49 (8-11')

**H235078-20 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **880** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *110 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **153** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **34.1** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *67.0 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *73.4 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 50 (0-11')

**H235078-21 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **9200** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *107 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **370** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **65.6** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *71.6 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *81.4 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 51 (0-11')

**H235078-22 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **6160** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *111 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **11.8** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *65.7 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *67.9 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 52 (0-11')

**H235078-23 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **5280** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *112 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *72.7 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *75.8 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 53 (3-11')

**H235078-24 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **992** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *108 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **DRO >C10-C28*** | **121** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| **EXT DRO >C28-C36** | **25.0** | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *72.0 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *77.9 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 54 (3'-11')

**H235078-25 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **80.0** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *108 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *76.4 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *78.5 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### SW - 55 (1-3')

**H235078-26 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **16.0** | | 16.0 | mg/kg | 4 | 3092023 | AC | 20-Sep-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3092007 | MS | 20-Sep-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *107 %* | *71.5-134* | | *3092007* | MS | *20-Sep-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3092003 | MS | 20-Sep-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *68.1 %* | *48.2-134* | | *3092003* | MS | *20-Sep-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *69.6 %* | *49.1-148* | | *3092003* | MS | *20-Sep-23* | *8015B* | |

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## Analytical Results For:

| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |
|---|---|---|

### Inorganic Compounds - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3092022 - 1:4 DI Water** | | | | | | | | | | |
| **Blank (3092022-BLK1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| **LCS (3092022-BS1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | | | |
| **LCS Dup (3092022-BSD1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Chloride | 448 | 16.0 | mg/kg | 400 | | 112 | 80-120 | 3.64 | 20 | |
| **Batch 3092023 - 1:4 DI Water** | | | | | | | | | | |
| **Blank (3092023-BLK1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| **LCS (3092023-BS1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Chloride | 416 | 16.0 | mg/kg | 400 | | 104 | 80-120 | | | |
| **LCS Dup (3092023-BSD1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Chloride | 448 | 16.0 | mg/kg | 400 | | 112 | 80-120 | 7.41 | 20 | |

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |
|---|---|---|

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3092006 - Volatiles** | | | | | | | | | | |
| **Blank (3092006-BLK1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *ND* | | mg/kg | *0.0500* | | *91.7* | *71.5-134* | | | |
| **LCS (3092006-BS1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Benzene | 1.97 | 0.050 | mg/kg | 2.00 | | 98.4 | 82.8-130 | | | |
| Toluene | 2.13 | 0.050 | mg/kg | 2.00 | | 107 | 86-128 | | | |
| Ethylbenzene | 2.28 | 0.050 | mg/kg | 2.00 | | 114 | 85.9-128 | | | |
| m,p-Xylene | 4.54 | 0.100 | mg/kg | 4.00 | | 113 | 89-129 | | | |
| o-Xylene | 2.25 | 0.050 | mg/kg | 2.00 | | 112 | 86.1-125 | | | |
| Total Xylenes | 6.79 | 0.150 | mg/kg | 6.00 | | 113 | 88.2-128 | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0548* | | mg/kg | *0.0500* | | *110* | *71.5-134* | | | |
| **LCS Dup (3092006-BSD1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Benzene | 2.00 | 0.050 | mg/kg | 2.00 | | 99.8 | 82.8-130 | 1.37 | 15.8 | |
| Toluene | 2.03 | 0.050 | mg/kg | 2.00 | | 102 | 86-128 | 4.70 | 15.9 | |
| Ethylbenzene | 2.14 | 0.050 | mg/kg | 2.00 | | 107 | 85.9-128 | 6.14 | 16 | |
| m,p-Xylene | 4.25 | 0.100 | mg/kg | 4.00 | | 106 | 89-129 | 6.43 | 16.2 | |
| o-Xylene | 2.20 | 0.050 | mg/kg | 2.00 | | 110 | 86.1-125 | 2.38 | 16.7 | |
| Total Xylenes | 6.45 | 0.150 | mg/kg | 6.00 | | 108 | 88.2-128 | 5.07 | 16.3 | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0534* | | mg/kg | *0.0500* | | *107* | *71.5-134* | | | |
| **Batch 3092007 - Volatiles** | | | | | | | | | | |
| **Blank (3092007-BLK1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3092007 - Volatiles** | | | | | | | | | | |
| **Blank (3092007-BLK1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0536* | | mg/kg | *0.0500* | | *107* | *71.5-134* | | | |
| **LCS (3092007-BS1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Benzene | 2.07 | 0.050 | mg/kg | 2.00 | | 103 | 82.8-130 | | | |
| Toluene | 2.10 | 0.050 | mg/kg | 2.00 | | 105 | 86-128 | | | |
| Ethylbenzene | 2.07 | 0.050 | mg/kg | 2.00 | | 103 | 85.9-128 | | | |
| m,p-Xylene | 4.26 | 0.100 | mg/kg | 4.00 | | 106 | 89-129 | | | |
| o-Xylene | 2.04 | 0.050 | mg/kg | 2.00 | | 102 | 86.1-125 | | | |
| Total Xylenes | 6.30 | 0.150 | mg/kg | 6.00 | | 105 | 88.2-128 | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0513* | | mg/kg | *0.0500* | | *103* | *71.5-134* | | | |
| **LCS Dup (3092007-BSD1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| Benzene | 2.09 | 0.050 | mg/kg | 2.00 | | 104 | 82.8-130 | 1.08 | 15.8 | |
| Toluene | 2.11 | 0.050 | mg/kg | 2.00 | | 106 | 86-128 | 0.772 | 15.9 | |
| Ethylbenzene | 2.09 | 0.050 | mg/kg | 2.00 | | 104 | 85.9-128 | 1.06 | 16 | |
| m,p-Xylene | 4.27 | 0.100 | mg/kg | 4.00 | | 107 | 89-129 | 0.165 | 16.2 | |
| o-Xylene | 2.01 | 0.050 | mg/kg | 2.00 | | 100 | 86.1-125 | 1.60 | 16.7 | |
| Total Xylenes | 6.27 | 0.150 | mg/kg | 6.00 | | 105 | 88.2-128 | 0.404 | 16.3 | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0511* | | mg/kg | *0.0500* | | *102* | *71.5-134* | | | |

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## Analytical Results For:

| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |
|---|---|---|

### Petroleum Hydrocarbons by GC FID - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3092003 - General Prep - Organics** | | | | | | | | | | |
| **Blank (3092003-BLK1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| *Surrogate: 1-Chlorooctane* | *39.8* | | mg/kg | *50.0* | | *79.5* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *41.6* | | mg/kg | *50.0* | | *83.2* | *49.1-148* | | | |
| **LCS (3092003-BS1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| GRO C6-C10 | 186 | 10.0 | mg/kg | 200 | | 92.9 | 66.4-123 | | | |
| DRO >C10-C28 | 179 | 10.0 | mg/kg | 200 | | 89.3 | 66.5-118 | | | |
| Total TPH C6-C28 | 364 | 10.0 | mg/kg | 400 | | 91.1 | 77.6-123 | | | |
| *Surrogate: 1-Chlorooctane* | *46.9* | | mg/kg | *50.0* | | *93.8* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *48.1* | | mg/kg | *50.0* | | *96.2* | *49.1-148* | | | |
| **LCS Dup (3092003-BSD1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| GRO C6-C10 | 177 | 10.0 | mg/kg | 200 | | 88.6 | 66.4-123 | 4.70 | 17.7 | |
| DRO >C10-C28 | 177 | 10.0 | mg/kg | 200 | | 88.5 | 66.5-118 | 0.937 | 21 | |
| Total TPH C6-C28 | 354 | 10.0 | mg/kg | 400 | | 88.6 | 77.6-123 | 2.84 | 18.5 | |
| *Surrogate: 1-Chlorooctane* | *43.8* | | mg/kg | *50.0* | | *87.6* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *46.8* | | mg/kg | *50.0* | | *93.7* | *49.1-148* | | | |
| **Batch 3092004 - General Prep - Organics** | | | | | | | | | | |
| **Blank (3092004-BLK1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| *Surrogate: 1-Chlorooctane* | *43.7* | | mg/kg | *50.0* | | *87.5* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *49.8* | | mg/kg | *50.0* | | *99.6* | *49.1-148* | | | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:41 |

### Petroleum Hydrocarbons by GC FID - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3092004 - General Prep - Organics** | | | | | | | | | | |
| **LCS (3092004-BS1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| GRO C6-C10 | 209 | 10.0 | mg/kg | 200 | | 105 | 66.4-123 | | | |
| DRO >C10-C28 | 209 | 10.0 | mg/kg | 200 | | 104 | 66.5-118 | | | |
| Total TPH C6-C28 | 418 | 10.0 | mg/kg | 400 | | 105 | 77.6-123 | | | |
| *Surrogate: 1-Chlorooctane* | *48.4* | | mg/kg | *50.0* | | *96.7* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *52.4* | | mg/kg | *50.0* | | *105* | *49.1-148* | | | |
| **LCS Dup (3092004-BSD1)** | | | | Prepared & Analyzed: 20-Sep-23 | | | | | | |
| GRO C6-C10 | 206 | 10.0 | mg/kg | 200 | | 103 | 66.4-123 | 1.73 | 17.7 | |
| DRO >C10-C28 | 203 | 10.0 | mg/kg | 200 | | 101 | 66.5-118 | 2.82 | 21 | |
| Total TPH C6-C28 | 409 | 10.0 | mg/kg | 400 | | 102 | 77.6-123 | 2.27 | 18.5 | |
| *Surrogate: 1-Chlorooctane* | *50.0* | | mg/kg | *50.0* | | *100* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *51.0* | | mg/kg | *50.0* | | *102* | *49.1-148* | | | |

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## Notes and Definitions

| | |
|---|---|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| GC-NC1 | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds. |
| GC-NC | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND. |
| 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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# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | | | |
|---|---|---|---|
| Company Name: | NTGE | **BILL TO** | |
| Project Manager: | Becky Haskel | P.O. #: | |
| Address: | 209 w McKay St | Company: | |
| City: | Carlsbad | State: NM Zip: 88220 | Attn: |
| Phone #: | 432-924-8056 | Fax #: | Address: |
| Project #: | 226700 | Project Owner: Earthstone | City: |
| Project Name: | Diamondback | | State: Zip: |
| Project Location: | Lea County | | Phone #: |
| Sampler Name: | Tyler Hamball | | Fax #: |

| FOR LAB USE ONLY | | | | MATRIX | | | | | | PRESERV. | | | SAMPLING | | ANALYSIS REQUEST | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME | TPH | Chlorides | BTEX |
| H235078 | | | | | | | | | | | | | | | | | |
| 1 | CS-116 (4') | C | 1 | | | X | | | | | | | 9-19 | 9:00AM | | | |
| 2 | CS-117 (4') | | | | | | | | | | | | | | | | |
| 3 | CS-118 (11') | | | | | | | | | | | | | | | | |
| 4 | CS-119 (11') | | | | | | | | | | | | | | | | |
| 5 | CS-120 (11') | | | | | | | | | | | | | | | | |
| 6 | CS-121 (8') | | | | | | | | | | | | | | | | |
| 7 | CS-122 (8') | | | | | | | | | | | | | | | | |
| 8 | CS-123 (8') | | | | | | | | | | | | | | | | |
| 9 | CS-124 (3') | | | | | | | | | | | | | | | | |
| 10 | CS-125 (3') | | | | | | | | | | | | | | | | |

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| | | | | | |
|---|---|---|---|---|---|
| Relinquished By: | Date: 9-19 | Received By: | Verbal Result: ☐ Yes ☐ No | Add'l Phone #: | |
| | Time: 1:18 | | All Results are emailed. Please provide Email address: | | |
| Relinquished By: | Date: | Received By: | REMARKS: | | |
| | Time: | | | | |
| Delivered By: (Circle One) | Observed Temp. °C -1.0 | Sample Condition Cool ☑ Yes Intact ☑ Yes | CHECKED BY: (Initials) | Turnaround Time: Standard ☑ Rush ☐ | Bacteria (only) Sample Condition Cool ☐ Yes Intact ☐ Yes Observed Temp. °C |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | ☐ No ☐ No | | Thermometer ID #140 Correction Factor 0°C | ☐ No ☐ No Corrected Temp. °C |

FORM-006 R 3.4 07/11/23

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# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | |
|---|---|---|---|
| Company Name: | NTGE | **BILL TO** P.O. #: | |
| Project Manager: | Becky Haskel | Company: | |
| Address: | 209 w McKay St | Attn: | |
| City: | Carlsbad State: NM Zip: 88220 | Address: | |
| Phone #: | 432-924-8056 Fax #: | City: | |
| Project #: | 226700 Project Owner: Earthstone | State: Zip: | |
| Project Name: | Diamondback | Phone #: | |
| Project Location: | Lea County | Fax #: | |
| Sampler Name: | Tyler Kimball | | |

ANALYSIS REQUEST: TPH, Chlorides, BTEX

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H235078 | | | | | | | | | | | | | | |
| 11 | CS-126 (3') | C | 1 | | | X | | | | | ✓ | | 9-19 | 9:30AM |
| 12 | SW-41 (0-4') | | | | | | | | | | | | | |
| 13 | SW-42 (4-11') | | | | | | | | | | | | | |
| 14 | SW-43 (0-8') | | | | | | | | | | | | | |
| 15 | SW-44 (0-8') | | | | | | | | | | | | | |
| 16 | SW-45 (0-8') | | | | | | | | | | | | | |
| 17 | SW-46 (0-8') | | | | | | | | | | | | | |
| 18 | SW-47 (3-8') | | | | | | | | | | | | | |
| 19 | SW-48 (8-11') | | | | | | | | | | | | | |
| 20 | SW-49 (8-11') | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 9-19 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | Time: 1:18 | | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | REMARKS: |
| | Time: | | |

| | | | | |
|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C -1.0 | Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No | CHECKED BY: (Initials) | Turnaround Time: ☑ Standard ☐ Rush |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | | | Thermometer ID #140 Correction Factor 0°C |

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE
Project Manager: Becky Haskel
Address: 209 w McKay St
City: Carlsbad State: NM Zip: 88220
Phone #: 432-924-8056 Fax #:
Project #: 226700 Project Owner: Earthstar
Project Name: Diamondback
Project Location: Lea County
Sampler Name: Tyler Hartwell

**BILL TO**
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | PRESERV: ACID/BASE: | ICE / COOL | OTHER: | SAMPLING DATE | TIME | TPH | Chlorides | BTEX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H235078 | | | | | | | | | | | | | | | | | |
| 21 | SW-50 (0-11') | C | 1 | | | X | | | | | ✓ | | 9-19 | 10:00 | ✓ | ✓ | ✓ |
| 22 | SW-51 (0-11') | | | | | | | | | | | | | | | | |
| 23 | SW-52 (0-11') | | | | | | | | | | | | | | | | |
| 24 | SW-53 (3-11') | | | | | | | | | | | | | | | | |
| * 25 | SW-54 (~~1-3'~~) (3'-11') | | | | | | | | | | | | | | | | |
| 26 | SW-55 (~~0~~-3') | | | | | | | | | | | | | | | | |

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Relinquished By: Date: 9.19 Time: 1:18 Received By:
Relinquished By: Date: Time: Received By:
Delivered By: (Circle One) Observed Temp. °C -1.0
Sampler - UPS - Bus - Other: Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TO

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: * Customer requested Sample ID Changes. TO. 3/1/24

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor 0°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.4 07/11/23

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

CARDINAL Laboratories

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

March 04, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/09/23 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| SW - 10B 4-12.5' | H235491-01 | Soil | 09-Oct-23 10:00 | 09-Oct-23 14:40 |
| SW - 11B 4-12.5' | H235491-02 | Soil | 09-Oct-23 10:02 | 09-Oct-23 14:40 |
| SW - 12B 4-12.5' | H235491-03 | Soil | 09-Oct-23 10:04 | 09-Oct-23 14:40 |
| SW - 13B 4-12.5' | H235491-04 | Soil | 09-Oct-23 10:06 | 09-Oct-23 14:40 |
| SW - 14B 4-12.5' | H235491-05 | Soil | 09-Oct-23 10:08 | 09-Oct-23 14:40 |
| SW - 15B 4-12.5' | H235491-06 | Soil | 09-Oct-23 10:10 | 09-Oct-23 14:40 |
| SW - 10A 0-4' | H235491-07 | Soil | 09-Oct-23 10:12 | 09-Oct-23 14:40 |
| SW - 11A 0-4' | H235491-08 | Soil | 09-Oct-23 10:14 | 09-Oct-23 14:40 |
| SW - 12A 0-4' | H235491-09 | Soil | 09-Oct-23 10:16 | 09-Oct-23 14:40 |
| SW - 13A 0-4' | H235491-10 | Soil | 09-Oct-23 10:18 | 09-Oct-23 14:40 |
| SW - 14A 0-4' | H235491-11 | Soil | 09-Oct-23 10:20 | 09-Oct-23 14:40 |
| SW - 15A 0-4' | H235491-12 | Soil | 09-Oct-23 10:22 | 09-Oct-23 14:40 |
| SW - 42A 4-11' | H235491-13 | Soil | 09-Oct-23 10:24 | 09-Oct-23 14:40 |
| SW - 48A 8-11' | H235491-14 | Soil | 09-Oct-23 10:26 | 09-Oct-23 14:40 |
| SW - 49A 8-11' | H235491-15 | Soil | 09-Oct-23 10:28 | 09-Oct-23 14:40 |
| SW - 57 0-3' | H235491-16 | Soil | 09-Oct-23 10:30 | 09-Oct-23 14:40 |
| SW - 58 0-4' | H235491-17 | Soil | 09-Oct-23 10:32 | 09-Oct-23 14:40 |
| SW - 59 0-4' | H235491-18 | Soil | 09-Oct-23 10:34 | 09-Oct-23 14:40 |
| SW - 60 0-3' | H235491-19 | Soil | 09-Oct-23 10:36 | 09-Oct-23 14:40 |
| SW - 61 0-3' | H235491-20 | Soil | 09-Oct-23 10:38 | 09-Oct-23 14:40 |
| SW - 50A 0-4' | H235491-21 | Soil | 09-Oct-23 10:40 | 09-Oct-23 14:40 |
| SW - 50B 4-11' | H235491-22 | Soil | 09-Oct-23 10:42 | 09-Oct-23 14:40 |
| SW - 51A 0-4' | H235491-23 | Soil | 09-Oct-23 10:44 | 09-Oct-23 14:40 |
| SW - 51B 4-11' | H235491-24 | Soil | 09-Oct-23 10:46 | 09-Oct-23 14:40 |
| SW - 52A 0-4' | H235491-25 | Soil | 09-Oct-23 10:48 | 09-Oct-23 14:40 |
| SW - 52B 4-11' | H235491-26 | Soil | 09-Oct-23 10:50 | 09-Oct-23 14:40 |
| SW - 53A 0-4' | H235491-27 | Soil | 09-Oct-23 10:52 | 09-Oct-23 14:40 |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |
|---|---|---|

| | | | | |
|---|---|---|---|---|
| SW - 53B 4-11' | H235491-28 | Soil | 09-Oct-23 10:54 | 09-Oct-23 14:40 |
| VD - 3 5' | H235491-29 | Soil | 09-Oct-23 10:56 | 09-Oct-23 14:40 |
| VD - 3 6' | H235491-30 | Soil | 09-Oct-23 10:58 | 09-Oct-23 14:40 |
| VD -4 10' | H235491-31 | Soil | 09-Oct-23 11:20 | 09-Oct-23 14:40 |
| VD -4 11' | H235491-32 | Soil | 09-Oct-23 11:22 | 09-Oct-23 14:40 |
| VD - 1 0-6" | H235491-33 | Soil | 09-Oct-23 11:24 | 09-Oct-23 14:40 |
| VD - 1 1-1.5' | H235491-34 | Soil | 09-Oct-23 11:26 | 09-Oct-23 14:40 |
| VD - 1 2-2.5' | H235491-35 | Soil | 09-Oct-23 11:28 | 09-Oct-23 14:40 |
| VD - 1 3-3.5' | H235491-36 | Soil | 09-Oct-23 11:30 | 09-Oct-23 14:40 |
| VD - 1 4-4.5' | H235491-37 | Soil | 09-Oct-23 11:32 | 09-Oct-23 14:40 |
| VD - 2 0-6" | H235491-38 | Soil | 09-Oct-23 11:34 | 09-Oct-23 14:40 |
| VD - 2 1-1.5' | H235491-39 | Soil | 09-Oct-23 11:36 | 09-Oct-23 14:40 |
| VD - 2 2-2.5' | H235491-40 | Soil | 09-Oct-23 11:38 | 09-Oct-23 14:40 |
| VD - 2 3-3.5' | H235491-41 | Soil | 09-Oct-23 11:40 | 09-Oct-23 14:40 |
| VD - 2 4-4.5' | H235491-42 | Soil | 09-Oct-23 11:42 | 09-Oct-23 14:40 |
| VD - 2 5-5.5' | H235491-43 | Soil | 09-Oct-23 11:44 | 09-Oct-23 14:40 |
| VD - 2 6-6.5' | H235491-44 | Soil | 09-Oct-23 11:46 | 09-Oct-23 14:40 |
| VD - 2 7-7.5' | H235491-45 | Soil | 09-Oct-23 11:48 | 09-Oct-23 14:40 |
| VD - 2 8-8.5' | H235491-46 | Soil | 09-Oct-23 11:50 | 09-Oct-23 14:40 |
| VD - 3 7' | H235491-47 | Soil | 09-Oct-23 11:00 | 09-Oct-23 14:40 |
| VD - 3 8' | H235491-48 | Soil | 09-Oct-23 11:02 | 09-Oct-23 14:40 |
| VD - 3 9' | H235491-49 | Soil | 09-Oct-23 11:04 | 09-Oct-23 14:40 |
| VD - 3 10' | H235491-50 | Soil | 09-Oct-23 11:06 | 09-Oct-23 14:40 |
| VD - 3 11' | H235491-51 | Soil | 09-Oct-23 11:08 | 09-Oct-23 14:40 |
| VD - 4 5' | H235491-52 | Soil | 09-Oct-23 11:10 | 09-Oct-23 14:40 |
| VD - 4 6' | H235491-53 | Soil | 09-Oct-23 11:12 | 09-Oct-23 14:40 |
| VD - 4 7' | H235491-54 | Soil | 09-Oct-23 11:14 | 09-Oct-23 14:40 |
| VD - 4 8' | H235491-55 | Soil | 09-Oct-23 11:16 | 09-Oct-23 14:40 |
| VD - 4 9' | H235491-56 | Soil | 09-Oct-23 11:18 | 09-Oct-23 14:40 |

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

10/17/23 - Client changed sample IDs (see COC). This is the revised report and will replace the one sent on 10/10/23.

03/04/24 - Client changed the sample IDs on -19 and -20 (see COC). This is the 2nd revision of the report and will replace the on sent on 10/17/23.

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 10B 4-12.5'

**H235491-01 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **7100** | | 16.0 | mg/kg | 4 | 3101020 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *106 %* | *71.5-134* | | *3100927* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *105 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *131 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 11B 4-12.5'

**H235491-02 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **24000** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | QM-07 |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *101 %* | *71.5-134* | | *3100927* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *103 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *122 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 12B 4-12.5'

**H235491-03 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **12400** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *104 %* | *71.5-134* | | *3100927* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *114 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *136 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 13B 4-12.5'

**H235491-04 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **160** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| **Ethylbenzene*** | **0.064** | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *130 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **56.0** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **12200** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **2960** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *126 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *367 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 14B 4-12.5'

**H235491-05 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **2600** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| **Toluene*** | **0.099** | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Ethylbenzene*** | **0.123** | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **0.424** | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **0.646** | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *170 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **273** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **10400** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **1980** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *155 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *310 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 15B 4-12.5'

**H235491-06 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **30800** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *101 %* | *71.5-134* | | *3100927* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *118 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *143 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 10A 0-4'

**H235491-07 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **64.0** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *108 %* | *71.5-134* | | *3100927* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| GRO C6-C10* | <50.0 | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **7160** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **1810** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *131 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *290 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 11A 0-4'**

**H235491-08 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **32.0** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *102 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 10-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **1150** | | 10.0 | mg/kg | 1 | 3100930 | MS | 10-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **316** | | 10.0 | mg/kg | 1 | 3100930 | MS | 10-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *102 %* | *48.2-134* | | *3100930* | MS | *10-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *138 %* | *49.1-148* | | *3100930* | MS | *10-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 12A 0-4'**

**H235491-09 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **80.0** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *99.8 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *99.2 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *124 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 13A 0-4'

**H235491-10 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **128** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *105 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| GRO C6-C10* | <50.0 | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **5420** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **1320** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *109 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *201 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 14A 0-4'**

**H235491-11 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **64.0** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| **Toluene*** | **0.311** | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Ethylbenzene*** | **0.489** | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **7.45** | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **8.25** | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *156 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **319** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **15300** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **3940** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *161 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *429 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 15A 0-4'**

**H235491-12 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **80.0** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| **Total Xylenes*** | **0.549** | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **0.549** | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *116 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **61.7** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **14500** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **3480** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *125 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *500 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 42A 4-11'

**H235491-13 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1890** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *100 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **60.1** | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *94.9 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *120 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 48A 8-11'

**H235491-14 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **560** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *98.1 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **485** | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **115** | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *96.6 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *124 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 49A 8-11'

**H235491-15 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **256** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *97.0 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **52.4** | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *97.5 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *126 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 57 0-3'**

**H235491-16 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1490** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *98.5 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *109 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *136 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 58 0-4'**

**H235491-17 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **992** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *99.0 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *111 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *138 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 59 0-4'**

**H235491-18 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **2120** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| **Ethylbenzene*** | **0.050** | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **1.67** | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **1.72** | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *135 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **149** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **13100** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **2960** | | 50.0 | mg/kg | 5 | 3100930 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *159 %* | *48.2-134* | | *3100930* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *388 %* | *49.1-148* | | *3100930* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 60 0-3'**

**H235491-19 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **112** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *98.5 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 10-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 10-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 10-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *102 %* | *48.2-134* | | *3100930* | MS | *10-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *142 %* | *49.1-148* | | *3100930* | MS | *10-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 61 0-3'**

**H235491-20 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1410** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100927 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *103 %* | *71.5-134* | | *3100927* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 10-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **32.1** | | 10.0 | mg/kg | 1 | 3100930 | MS | 10-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100930 | MS | 10-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *108 %* | *48.2-134* | | *3100930* | MS | *10-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *138 %* | *49.1-148* | | *3100930* | MS | *10-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 50A 0-4'**

**H235491-21 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1250** | | 16.0 | mg/kg | 4 | 3101018 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Ethylbenzene*** | **0.159** | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **0.514** | | 0.150 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **0.673** | | 0.300 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *143 %* | *71.5-134* | | *3100928* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **112** | | 50.0 | mg/kg | 5 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **8750** | | 50.0 | mg/kg | 5 | 3100931 | MS | 09-Oct-23 | 8015B | QM-07 |
| **EXT DRO >C28-C36** | **1810** | | 50.0 | mg/kg | 5 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *111 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *158 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 50B 4-11'

**H235491-22 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **7500** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | QM-07 |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *99.7 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **190** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **53.1** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *72.7 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *83.4 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 51A 0-4'**

**H235491-23 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **912** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Ethylbenzene*** | **0.164** | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **0.571** | | 0.150 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **0.735** | | 0.300 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *141 %* | *71.5-134* | | *3100928* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **145** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **8820** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **1880** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *138 %* | *48.2-134* | | *3100931* | MS | *10-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *159 %* | *49.1-148* | | *3100931* | MS | *10-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 51B 4-11'

**H235491-24 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **7730** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *102 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **234** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **67.9** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *66.9 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *77.3 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 52A 0-4'**

**H235491-25 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **384** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Ethylbenzene*** | **0.330** | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **1.04** | | 0.150 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **1.37** | | 0.300 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *158 %* | *71.5-134* | | *3100928* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **221** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **8360** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **1730** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *126 %* | *48.2-134* | | *3100931* | MS | *10-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *151 %* | *49.1-148* | | *3100931* | MS | *10-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 52B 4-11'

**H235491-26 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **6800** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *102 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **287** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **77.1** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *86.6 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *108 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

**SW - 53A 0-4'**

**H235491-27 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **592** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Ethylbenzene*** | **0.266** | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **0.949** | | 0.150 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **1.22** | | 0.300 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *161 %* | *71.5-134* | | *3100928* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **219** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **10100** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **2130** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *140 %* | *48.2-134* | | *3100931* | MS | *10-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *183 %* | *49.1-148* | | *3100931* | MS | *10-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### SW - 53B 4-11'

**H235491-28 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **5860** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *105 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **446** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **121** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *84.7 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *99.2 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 3 5'

**H235491-29 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1170** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <1.00 | | 1.00 | mg/kg | 1000 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Toluene*** | **1.55** | | 1.00 | mg/kg | 1000 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Ethylbenzene*** | **2.16** | | 1.00 | mg/kg | 1000 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **34.0** | | 3.00 | mg/kg | 1000 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **37.8** | | 6.00 | mg/kg | 1000 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *135 %* | *71.5-134* | | *3100928* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **1090** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **6290** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **1210** | | 50.0 | mg/kg | 5 | 3100931 | MS | 10-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *163 %* | *48.2-134* | | *3100931* | MS | *10-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *126 %* | *49.1-148* | | *3100931* | MS | *10-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 3 6'

**H235491-30 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **3280** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Toluene*** | **0.067** | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Ethylbenzene*** | **0.166** | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **1.90** | | 0.150 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| **Total BTEX** | **2.13** | | 0.300 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *130 %* | *71.5-134* | | *3100928* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| **GRO C6-C10*** | **71.6** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **935** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **172** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *108 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *120 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD -4 10'

**H235491-31 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **5920** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *104 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *90.4 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *99.0 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD -4 11'

**H235491-32 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **928** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *98.0 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *90.1 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *101 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 1 0-6''

**H235491-33 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| Chloride | <16.0 | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *99.8 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *91.5 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *102 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 1 1-1.5'

**H235491-34 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| Chloride | <16.0 | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *98.9 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *89.9 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *99.8 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 1 2-2.5'

**H235491-35 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **32.0** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *99.6 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *86.7 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *95.8 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 1 3-3.5'

**H235491-36 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **32.0** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *105 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *85.1 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *94.1 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 1 4-4.5'

**H235491-37 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **32.0** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *101 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *76.6 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *83.9 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 2 0-6''

**H235491-38 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **9330** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *100 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **18.2** | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *83.8 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *94.8 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 2 1-1.5'

**H235491-39 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1060** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 09-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *108 %* | *71.5-134* | | *3100928* | JH | *09-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *91.9 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *101 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 2 2-2.5'

**H235491-40 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1470** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100928 | JH | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *106 %* | *71.5-134* | | *3100928* | JH | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100931 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *84.6 %* | *48.2-134* | | *3100931* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *92.2 %* | *49.1-148* | | *3100931* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 2 3-3.5'

**H235491-41 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1540** | | 16.0 | mg/kg | 4 | 3101021 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *95.1 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *98.7 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *123 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 2 4-4.5'

**H235491-42 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1260** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *95.8 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *96.1 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *120 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 2 5-5.5'

**H235491-43 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **2050** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *95.4 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *95.9 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *120 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 2 6-6.5'

**H235491-44 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **3080** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *95.6 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *110 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *138 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 2 7-7.5'

**H235491-45 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1440** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *96.0 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *105 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *132 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 2 8-8.5'

**H235491-46 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **400** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *95.9 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-04** |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *135 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *165 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 3 7'

**H235491-47 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1250** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *97.0 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *99.3 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *124 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 3 8'

**H235491-48 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **2320** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *97.9 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *99.0 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *124 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 3 9'

**H235491-49 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **5760** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *96.0 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *90.7 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *113 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 3 10'

**H235491-50 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **6000** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *96.7 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *87.2 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *108 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 3 11'

**H235491-51 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **880** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *96.7 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *86.5 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *108 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 4 5'

**H235491-52 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **960** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | **S-04** |
| Benzene* | <0.100 | | 0.100 | mg/kg | 100 | 3100929 | MS | 10-Oct-23 | 8021B | |
| **Toluene*** | **1.25** | | 0.100 | mg/kg | 100 | 3100929 | MS | 10-Oct-23 | 8021B | GC-NC1 |
| **Ethylbenzene*** | **1.57** | | 0.100 | mg/kg | 100 | 3100929 | MS | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **25.5** | | 0.300 | mg/kg | 100 | 3100929 | MS | 10-Oct-23 | 8021B | |
| **Total BTEX** | **28.4** | | 0.600 | mg/kg | 100 | 3100929 | MS | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *306 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **1130** | | 50.0 | mg/kg | 5 | 3100932 | MS | 10-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **9560** | | 50.0 | mg/kg | 5 | 3100932 | MS | 10-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **1960** | | 50.0 | mg/kg | 5 | 3100932 | MS | 10-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *205 %* | *48.2-134* | | *3100932* | MS | *10-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *188 %* | *49.1-148* | | *3100932* | MS | *10-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 4 6'

**H235491-53 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1520** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| **Ethylbenzene*** | **0.117** | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | GC-NC1 |
| **Total Xylenes*** | **1.35** | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| **Total BTEX** | **1.47** | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | GC-NC1 |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *134 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| **GRO C6-C10*** | **123** | | 10.0 | mg/kg | 1 | 3100932 | MS | 10-Oct-23 | 8015B | |
| **DRO >C10-C28*** | **1520** | | 10.0 | mg/kg | 1 | 3100932 | MS | 10-Oct-23 | 8015B | |
| **EXT DRO >C28-C36** | **306** | | 10.0 | mg/kg | 1 | 3100932 | MS | 10-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *116 %* | *48.2-134* | | *3100932* | MS | *10-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *110 %* | *49.1-148* | | *3100932* | MS | *10-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 4 7'

**H235491-54 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **1100** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *96.9 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *103 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *128 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 4 8'

**H235491-55 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **2000** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *95.4 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *104 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *129 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### VD - 4 9'

**H235491-56 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **5920** | | 16.0 | mg/kg | 4 | 3101019 | AC | 10-Oct-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3100929 | MS | 10-Oct-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *97.2 %* | *71.5-134* | | *3100929* | MS | *10-Oct-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3100932 | MS | 09-Oct-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *108 %* | *48.2-134* | | *3100932* | MS | *09-Oct-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *136 %* | *49.1-148* | | *3100932* | MS | *09-Oct-23* | *8015B* | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### Inorganic Compounds - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3101018 - 1:4 DI Water** | | | | | | | | | | |
| **Blank (3101018-BLK1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| **LCS (3101018-BS1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | | | |
| **LCS Dup (3101018-BSD1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | 448 | 16.0 | mg/kg | 400 | | 112 | 80-120 | 3.64 | 20 | |
| **Batch 3101019 - 1:4 DI Water** | | | | | | | | | | |
| **Blank (3101019-BLK1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| **LCS (3101019-BS1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | | | |
| **LCS Dup (3101019-BSD1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | 448 | 16.0 | mg/kg | 400 | | 112 | 80-120 | 3.64 | 20 | |
| **Batch 3101020 - 1:4 DI Water** | | | | | | | | | | |
| **Blank (3101020-BLK1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| **LCS (3101020-BS1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | | | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### Inorganic Compounds - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3101020 - 1:4 DI Water** | | | | | | | | | | |
| **LCS Dup (3101020-BSD1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | 0.00 | 20 | |
| **Batch 3101021 - 1:4 DI Water** | | | | | | | | | | |
| **Blank (3101021-BLK1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| **LCS (3101021-BS1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | | | |
| **LCS Dup (3101021-BSD1)** | | | | Prepared & Analyzed: 10-Oct-23 | | | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | 0.00 | 20 | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3100927 - Volatiles** | | | | | | | | | | |
| **Blank (3100927-BLK1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *ND* | | mg/kg | *0.0500* | | *98.8* | *71.5-134* | | | |
| **LCS (3100927-BS1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| Benzene | 2.04 | 0.050 | mg/kg | 2.00 | | 102 | 82.8-130 | | | |
| Toluene | 2.00 | 0.050 | mg/kg | 2.00 | | 100 | 86-128 | | | |
| Ethylbenzene | 2.09 | 0.050 | mg/kg | 2.00 | | 105 | 85.9-128 | | | |
| m,p-Xylene | 4.10 | 0.100 | mg/kg | 4.00 | | 102 | 89-129 | | | |
| o-Xylene | 2.08 | 0.050 | mg/kg | 2.00 | | 104 | 86.1-125 | | | |
| Total Xylenes | 6.17 | 0.150 | mg/kg | 6.00 | | 103 | 88.2-128 | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0494* | | mg/kg | *0.0500* | | *98.9* | *71.5-134* | | | |
| **LCS Dup (3100927-BSD1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| Benzene | 2.05 | 0.050 | mg/kg | 2.00 | | 102 | 82.8-130 | 0.611 | 15.8 | |
| Toluene | 2.06 | 0.050 | mg/kg | 2.00 | | 103 | 86-128 | 2.78 | 15.9 | |
| Ethylbenzene | 2.16 | 0.050 | mg/kg | 2.00 | | 108 | 85.9-128 | 3.35 | 16 | |
| m,p-Xylene | 4.26 | 0.100 | mg/kg | 4.00 | | 107 | 89-129 | 4.00 | 16.2 | |
| o-Xylene | 2.16 | 0.050 | mg/kg | 2.00 | | 108 | 86.1-125 | 3.74 | 16.7 | |
| Total Xylenes | 6.42 | 0.150 | mg/kg | 6.00 | | 107 | 88.2-128 | 3.91 | 16.3 | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0501* | | mg/kg | *0.0500* | | *100* | *71.5-134* | | | |
| **Batch 3100928 - Volatiles** | | | | | | | | | | |
| **Blank (3100928-BLK1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3100928 - Volatiles** | | | | | | | | | | |
| **Blank (3100928-BLK1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *ND* | | mg/kg | *0.0500* | | *97.2* | *71.5-134* | | | |
| **LCS (3100928-BS1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| Benzene | 2.07 | 0.050 | mg/kg | 2.00 | | 103 | 82.8-130 | | | |
| Toluene | 1.89 | 0.050 | mg/kg | 2.00 | | 94.5 | 86-128 | | | |
| Ethylbenzene | 1.94 | 0.050 | mg/kg | 2.00 | | 96.9 | 85.9-128 | | | |
| m,p-Xylene | 3.85 | 0.100 | mg/kg | 4.00 | | 96.3 | 89-129 | | | |
| o-Xylene | 1.93 | 0.050 | mg/kg | 2.00 | | 96.7 | 86.1-125 | | | |
| Total Xylenes | 5.79 | 0.150 | mg/kg | 6.00 | | 96.5 | 88.2-128 | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0482* | | mg/kg | *0.0500* | | *96.4* | *71.5-134* | | | |
| **LCS Dup (3100928-BSD1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| Benzene | 2.03 | 0.050 | mg/kg | 2.00 | | 101 | 82.8-130 | 1.96 | 15.8 | |
| Toluene | 1.87 | 0.050 | mg/kg | 2.00 | | 93.6 | 86-128 | 0.979 | 15.9 | |
| Ethylbenzene | 1.91 | 0.050 | mg/kg | 2.00 | | 95.7 | 85.9-128 | 1.31 | 16 | |
| m,p-Xylene | 3.81 | 0.100 | mg/kg | 4.00 | | 95.3 | 89-129 | 1.07 | 16.2 | |
| o-Xylene | 1.90 | 0.050 | mg/kg | 2.00 | | 94.9 | 86.1-125 | 1.91 | 16.7 | |
| Total Xylenes | 5.71 | 0.150 | mg/kg | 6.00 | | 95.2 | 88.2-128 | 1.35 | 16.3 | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0476* | | mg/kg | *0.0500* | | *95.2* | *71.5-134* | | | |
| **Batch 3100929 - Volatiles** | | | | | | | | | | |
| **Blank (3100929-BLK1)** | | | | Prepared: 09-Oct-23 Analyzed: 10-Oct-23 | | | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *ND* | | mg/kg | *0.0500* | | *94.7* | *71.5-134* | | | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3100929 - Volatiles** | | | | | | | | | | |
| **LCS (3100929-BS1)** | | | | Prepared: 09-Oct-23 Analyzed: 10-Oct-23 | | | | | | |
| Benzene | 2.08 | 0.050 | mg/kg | 2.00 | | 104 | 82.8-130 | | | |
| Toluene | 2.08 | 0.050 | mg/kg | 2.00 | | 104 | 86-128 | | | |
| Ethylbenzene | 2.01 | 0.050 | mg/kg | 2.00 | | 100 | 85.9-128 | | | |
| m,p-Xylene | 4.13 | 0.100 | mg/kg | 4.00 | | 103 | 89-129 | | | |
| o-Xylene | 1.92 | 0.050 | mg/kg | 2.00 | | 96.1 | 86.1-125 | | | |
| Total Xylenes | 6.05 | 0.150 | mg/kg | 6.00 | | 101 | 88.2-128 | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0461* | | mg/kg | *0.0500* | | *92.1* | *71.5-134* | | | |
| **LCS Dup (3100929-BSD1)** | | | | Prepared: 09-Oct-23 Analyzed: 10-Oct-23 | | | | | | |
| Benzene | 1.98 | 0.050 | mg/kg | 2.00 | | 99.0 | 82.8-130 | 5.02 | 15.8 | |
| Toluene | 2.00 | 0.050 | mg/kg | 2.00 | | 100 | 86-128 | 3.92 | 15.9 | |
| Ethylbenzene | 1.90 | 0.050 | mg/kg | 2.00 | | 95.2 | 85.9-128 | 5.36 | 16 | |
| m,p-Xylene | 3.87 | 0.100 | mg/kg | 4.00 | | 96.7 | 89-129 | 6.46 | 16.2 | |
| o-Xylene | 1.79 | 0.050 | mg/kg | 2.00 | | 89.6 | 86.1-125 | 6.97 | 16.7 | |
| Total Xylenes | 5.66 | 0.150 | mg/kg | 6.00 | | 94.3 | 88.2-128 | 6.62 | 16.3 | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0459* | | mg/kg | *0.0500* | | *91.8* | *71.5-134* | | | |

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## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### Petroleum Hydrocarbons by GC FID - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3100930 - General Prep - Organics** | | | | | | | | | | |
| **Blank (3100930-BLK1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| *Surrogate: 1-Chlorooctane* | *52.6* | | mg/kg | *50.0* | | *105* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *62.7* | | mg/kg | *50.0* | | *125* | *49.1-148* | | | |
| **LCS (3100930-BS1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| GRO C6-C10 | 222 | 10.0 | mg/kg | 200 | | 111 | 66.4-123 | | | |
| DRO >C10-C28 | 234 | 10.0 | mg/kg | 200 | | 117 | 66.5-118 | | | |
| Total TPH C6-C28 | 457 | 10.0 | mg/kg | 400 | | 114 | 77.6-123 | | | |
| *Surrogate: 1-Chlorooctane* | *56.9* | | mg/kg | *50.0* | | *114* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *64.8* | | mg/kg | *50.0* | | *130* | *49.1-148* | | | |
| **LCS Dup (3100930-BSD1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| GRO C6-C10 | 210 | 10.0 | mg/kg | 200 | | 105 | 66.4-123 | 5.52 | 17.7 | |
| DRO >C10-C28 | 211 | 10.0 | mg/kg | 200 | | 106 | 66.5-118 | 10.3 | 21 | |
| Total TPH C6-C28 | 422 | 10.0 | mg/kg | 400 | | 105 | 77.6-123 | 7.96 | 18.5 | |
| *Surrogate: 1-Chlorooctane* | *56.5* | | mg/kg | *50.0* | | *113* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *72.5* | | mg/kg | *50.0* | | *145* | *49.1-148* | | | |
| **Batch 3100931 - General Prep - Organics** | | | | | | | | | | |
| **Blank (3100931-BLK1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| *Surrogate: 1-Chlorooctane* | *41.6* | | mg/kg | *50.0* | | *83.1* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *45.9* | | mg/kg | *50.0* | | *91.8* | *49.1-148* | | | |

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### Petroleum Hydrocarbons by GC FID - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3100931 - General Prep - Organics** | | | | | | | | | | |
| **LCS (3100931-BS1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| GRO C6-C10 | 202 | 10.0 | mg/kg | 200 | | 101 | 66.4-123 | | | |
| DRO >C10-C28 | 214 | 10.0 | mg/kg | 200 | | 107 | 66.5-118 | | | |
| Total TPH C6-C28 | 416 | 10.0 | mg/kg | 400 | | 104 | 77.6-123 | | | |
| *Surrogate: 1-Chlorooctane* | *44.4* | | mg/kg | *50.0* | | *88.8* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *47.4* | | mg/kg | *50.0* | | *94.7* | *49.1-148* | | | |
| **LCS Dup (3100931-BSD1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| GRO C6-C10 | 190 | 10.0 | mg/kg | 200 | | 94.9 | 66.4-123 | 6.24 | 17.7 | |
| DRO >C10-C28 | 195 | 10.0 | mg/kg | 200 | | 97.7 | 66.5-118 | 8.97 | 21 | |
| Total TPH C6-C28 | 385 | 10.0 | mg/kg | 400 | | 96.3 | 77.6-123 | 7.63 | 18.5 | |
| *Surrogate: 1-Chlorooctane* | *44.0* | | mg/kg | *50.0* | | *88.0* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *45.9* | | mg/kg | *50.0* | | *91.8* | *49.1-148* | | | |
| **Batch 3100932 - General Prep - Organics** | | | | | | | | | | |
| **Blank (3100932-BLK1)** | | | | Prepared & Analyzed: 09-Oct-23 | | | | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| *Surrogate: 1-Chlorooctane* | *45.5* | | mg/kg | *50.0* | | *91.0* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *55.2* | | mg/kg | *50.0* | | *110* | *49.1-148* | | | |
| **LCS (3100932-BS1)** | | | | Prepared: 09-Oct-23 Analyzed: 10-Oct-23 | | | | | | |
| GRO C6-C10 | 202 | 10.0 | mg/kg | 200 | | 101 | 66.4-123 | | | |
| DRO >C10-C28 | 223 | 10.0 | mg/kg | 200 | | 111 | 66.5-118 | | | |
| Total TPH C6-C28 | 425 | 10.0 | mg/kg | 400 | | 106 | 77.6-123 | | | |
| *Surrogate: 1-Chlorooctane* | *49.6* | | mg/kg | *50.0* | | *99.3* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *65.0* | | mg/kg | *50.0* | | *130* | *49.1-148* | | | |

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| NTG ENVIRONMENTAL<br>701 TRADEWINDS BLVD. SUITE C<br>MIDLAND TX, 79706 | Project: DIAMONDBACK 24-25 CTB<br>Project Number: 226700<br>Project Manager: BECKY HASKELL<br>Fax To: | Reported:<br>04-Mar-24 16:35 |

### Petroleum Hydrocarbons by GC FID - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3100932 - General Prep - Organics** | | | | | | | | | | |
| **LCS Dup (3100932-BSD1)** | | | | Prepared: 09-Oct-23 Analyzed: 10-Oct-23 | | | | | | |
| GRO C6-C10 | 200 | 10.0 | mg/kg | 200 | | 100 | 66.4-123 | 0.777 | 17.7 | |
| DRO >C10-C28 | 222 | 10.0 | mg/kg | 200 | | 111 | 66.5-118 | 0.130 | 21 | |
| Total TPH C6-C28 | 423 | 10.0 | mg/kg | 400 | | 106 | 77.6-123 | 0.437 | 18.5 | |
| *Surrogate: 1-Chlorooctane* | *47.4* | | mg/kg | *50.0* | | *94.9* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *53.9* | | mg/kg | *50.0* | | *108* | *49.1-148* | | | |

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## Notes and Definitions

| | |
|---|---|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| GC-NC1 | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds. |
| 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

# CARDINAL Laboratories

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | |
|---|---|---|---|
| Company Name: | UTGE | **BILL TO** P.O. #: | |
| Project Manager: | Becky Haskell | Company: | Earthstone |
| Address: | 701 Tradewinds Blvd | Attn: | Chris Morton |
| City: | Midland | State: TX Zip: | 79701 |
| Phone #: | 432-766-1918 | Fax #: | Address: |
| Project #: | 226700 | Project Owner: | Earthstone |
| Project Name: | Diamond Back 24-25 CTB | City: | |
| Project Location: | Eddy Co, NM | State: Zip: | |
| Sampler Name: | Kenny Hunt | Phone #: | |
| | | Fax #: | |

| FOR LAB USE ONLY | | | | | MATRIX | | | | | | PRESERV. | | | SAMPLING | | ANALYSIS REQUEST | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | BTEX | TPH | Chloride |
| H235491 | * | | | | | | | | | | | | | | | | | |
| 1 | SW-10 B | 4-12.5' | C | 1 | | | X | | | | | | | 10/9/23 | 10:00 | | | |
| 2 | SW-11 B | | | | | | | | | | | | | | 10:02 | | | |
| 3 | SW-12 B | | | | | | | | | | | | | | 10:04 | | | |
| 4 | SW-13 B | | | | | | | | | | | | | | 10:06 | | | |
| 5 | SW-14 B | | | | | | | | | | | | | | 10:08 | | | |
| 6 | SW-15 B | | | | | | | | | | | | | | 10:10 | | | |
| 7 | SW-10 A | 0-4' | | | | | | | | | | | | | 10:12 | | | |
| 8 | SW-11 A | | | | | | | | | | | | | | 10:14 | | | |
| 9 | SW-12 A | | | | | | | | | | | | | | 10:16 | | | |
| 10 | SW-13 A | | | | | | | | | | | | | | 10:18 | | | |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 10/9/23 Time: 1440 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | All Results are emailed. Please provide Email address: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C 5.0 Corrected Temp. °C | Sample Condition Cool ✓ Yes Intact ✓ Yes ☐ No ☐ No | CHECKED BY: (Initials) T.O |

REMARKS: * Customer requested ID changes T.C. 10/11/23

Turnaround Time: Standard ☐ Rush ☑ T.C. 10/9/23 24hr

Thermometer ID #113 #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ Nc ☐ No Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | |
|---|---|---|---|
| Company Name: | UTGE | **BILL TO** P.O. #: | |
| Project Manager: | Becky Haskell | Company: | Earthstone |
| Address: | 701 Tradewinds Blvd | Attn: | Chris Morton |
| City: | Midland | State: TX Zip: | 79701 |
| Phone #: | 432-766-1918 | Fax #: | Address: |
| Project #: | 226700 | Project Owner: Earthstone | City: |
| Project Name: | Diamond Buck 24-25 CTB | State: | Zip: |
| Project Location: | Eddy Co, NM | Phone #: | |
| Sampler Name: | Kenny Hunt | Fax #: | |

ANALYSIS REQUEST: BTEX, TPH, Chloride

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | PRESERV.: ACID/BASE | ICE / COOL | OTHER: | SAMPLING: DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H235491 | KH 10/9/23 * | | | | | | | | | | | | | | |
| 11 | SW-14 A | 0-4' | C | 1 | | | X | | | | | | | 10/9/23 | 10:20 |
| 12 | SW-15 A | " | | | | | | | | | | | | | 10:22 |
| 13 | SW-42A | 4-11 | | | | | | | | | | | | | 10:24 |
| 14 | SW-48A | 8-11 | | | | | | | | | | | | | 10:26 |
| 15 | SW-49A | " | | | | | | | | | | | | | 10:28 |
| 16 | SW-57 | 0-3' | | | | | | | | | | | | | 10:30 |
| 17 | SW-58 | 0-4' | | | | | | | | | | | | | 10:32 |
| 18 | SW-59 | 0-4' | | | | | | | | | | | | | 10:34 |
| 19 | SW-60 | 0-~~2.5~~ 3' | | | | | | | | | | | | | 10:36 |
| ** 20 | SW-61 | 0-~~2.5~~ 3' | | | | | | | | | | | | | 10:38 |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 10/9/23 Time: 1440 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | All Results are emailed. Please provide Email address: |

REMARKS: * Customer requested ID changes. TO. 10/11/23

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

Observed Temp. °C 5.0 Corrected Temp. °C

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TO.

Turnaround Time: Standard ☐ Rush ☑ #140 10/9/23 24hr TO.

Thermometer ID ~~#113~~ #140 Correction Factor ~~0.8°C~~

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

Observed Temp. °C ** Corrected Temp. °C

TO. 3/1/24

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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| | | | |
|---|---|---|---|
| Company Name: | NTGE | **BILL TO** | |
| Project Manager: | Becky Haskell | P.O. #: | |
| Address: | 701 Tradewinds Blvd | Company: | Earthstone |
| City: | Midland | State: TX Zip: 79701 | Attn: Chris Morton |
| Phone #: | 432-766-1918 | Fax #: | Address: |
| Project #: | 226700 | Project Owner: Earthstone | City: |
| Project Name: | Diamond Buck 24-25 CTB | | State: Zip: |
| Project Location: | Eddy Co, NM | | Phone #: |
| Sampler Name: | Kenny Hun | | Fax #: |

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | PRESERV.: ACID/BASE | ICE / COOL | OTHER | SAMPLING: DATE | TIME | BTEX | TPH | Chlorides |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H235491 | * | | | | | | | | | | | | | | | | | |
| 21 | SW-50 A | 0-4' | C | 1 | | | X | | | | | ✓ | | 10/9/23 | 10:40 | | | |
| 22 | SW-50 B | 4-11' | | | | | | | | | | | | | 10:42 | | | |
| 23 | SW-51 A | 0-4' | | | | | | | | | | | | | 10:44 | | | |
| 24 | SW-51 B | 4-11' | | | | | | | | | | | | | 10:46 | | | |
| 25 | SW-52 A | 0-4' | | | | | | | | | | | | | 10:48 | | | |
| 26 | SW-52 B | 4-11' | | | | | | | | | | | | | 10:50 | | | |
| 27 | SW-53 A | 0-4' | | | | | | | | | | | | | 10:52 | | | |
| 28 | SW-53 B | 4-11' | | | | | | | | | | | | | 10:54 | | | |
| * 29 | ~~CS-116~~ VD-3 | 5' | G | | | | | | | | | | | | 10:56 | | | |
| 30 | ~~"~~ VD-3 | 6' | G | | | | | | | | | | | | 10:58 | | | |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 10/9/23 Time: 1440 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | All Results are emailed. Please provide Email address: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C 5.0 Corrected Temp. °C | Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No | CHECKED BY: (Initials) |

REMARKS: * Customer requested ID changes. TO - 10/10/23 10/11/23

Turnaround Time: Standard ☐ Rush ☑ 24hr 10/9/23

Thermometer ID #140 ~~#113~~ Correction Factor ~~-0.5°C~~

Bacteria (only) Sample Condition Cool ☐ Yes ☐ Nc Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | BILL TO | |
|---|---|---|---|
| Company Name: | VTGE | P.O. #: | |
| Project Manager: | Becky Haskell | Company: | Earthstone |
| Address: | 701 Tradewinds Blvd | Attn: | Chris Morton |
| City: | Midland | State: TX Zip: | 79701 |
| Phone #: | 432-766-1918 | Fax #: | |
| Project #: | 226700 | Project Owner: | Earthstone |
| Project Name: | Diamond Buck 24-25 CTB | City: | |
| Project Location: | Eddy Co, NM | State: Zip: | |
| Sampler Name: | Kenny Hunt | Phone #: | |
| | | Fax #: | |

| FOR LAB USE ONLY | | | | | MATRIX | | | | | | | PRESERV. | | | SAMPLING | | ANALYSIS REQUEST | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE | ICE / COOL | OTHER : | DATE | TIME | BTEX | TPH | Chloride | | | | | | | | | | | |
| H235491 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 31 | ~~CS-117~~ VD-4 | 10' | G | 1 | | | X | | | | | ✓ | | 10/9/23 | 11:20 | | | | | | | | | | | | | | |
| 32 | ~~CS-117~~ VD-4 | 11' | | | | | | | | | | | | | 11:22 | | | | | | | | | | | | | | |
| 33 | VD-1 | 0-6" | | | | | | | | | | | | | 11:24 | | | | | | | | | | | | | | |
| 34 | | 1-1.5' | | | | | | | | | | | | | 11:26 | | | | | | | | | | | | | | |
| 35 | | 2-2.5' | | | | | | | | | | | | | 11:28 | | | | | | | | | | | | | | |
| 36 | | 3-3.5' | | | | | | | | | | | | | 11:30 | | | | | | | | | | | | | | |
| 37 | | 4-4.5' | | | | | | | | | | | | | 11:32 | | | | | | | | | | | | | | |
| 38 | VD-2 | 0-6" | | | | | | | | | | | | | 11:34 | | | | | | | | | | | | | | |
| 39 | | 1-1.5' | | | | | | | | | | | | | 11:36 | | | | | | | | | | | | | | |
| 40 | | 2-2.5' | | | | | | | | | | | | | 11:38 | | | | | | | | | | | | | | |

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| | | | | |
|---|---|---|---|---|
| Relinquished By: | Date: 10/9/23 Time: 1440 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: | |
| Relinquished By: | Date: Time: | Received By: | All Results are emailed. Please provide Email address: | |
| Delivered By: (Circle One) | Observed Temp. °C 5.0 | Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No | CHECKED BY: (Initials) | Turnaround Time: Standard ☐ Rush ☑ 10/9/23 24hr |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | | | Thermometer ID #140 Correction Factor ~~-0.8~~ °C |

REMARKS: * Customer requested ID changes to 10/10/23

Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | BILL TO | |
|---|---|---|---|
| Company Name: | VTGE | P.O. #: | |
| Project Manager: | Becky Haskell | Company: | Earthstone |
| Address: | 701 Tradewinds Blvd | Attn: | Chris Morris |
| City: | Midland | State: TX Zip: | 79701 |
| Phone #: | 432-766-1918 | Fax #: | |
| Project #: | 226700 | Project Owner: | Earthstone |
| Project Name: | Diamond Buck 24-25 CTB | City: | |
| Project Location: | Eddy Co, NM | State: Zip: | |
| Sampler Name: | Kenny Hun | Phone #: | |
| | | Fax #: | |

| FOR LAB USE ONLY | | | | | MATRIX | | | | | | PRESERV. | | | SAMPLING | | ANALYSIS REQUEST | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER | DATE | TIME | BTEX | TPH | Chloride |
| H235491 | | | | | | | | | | | | | | | | | | |
| 41 | VD-2 | 3-3.5' | G | 1 | | | X | | | | | | | 10/9/23 | 11:40 | | | |
| 42 | | 4-4.5' | | | | | | | | | | | | | 11:42 | | | |
| 43 | | 5-5.5' | | | | | | | | | | | | | 11:44 | | | |
| 44 | | 6-6.5' | | | | | | | | | | | | | 11:46 | | | |
| 45 | | 7-7.5' | | | | | | | | | | | | | 11:48 | | | |
| 46 | | 8-8.5' | | | | | | | | | | | | | 11:50 | | | |

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| | | | | |
|---|---|---|---|---|
| Relinquished By: | Date: 10/9/23 | Received By: | Verbal Result: ☐ Yes ☐ No | Add'l Phone #: |
| | Time: 1440 | | All Results are emailed. Please provide Email address: | |
| Relinquished By: | Date: | Received By: | REMARKS: | |
| | Time: | | | |

| | | | | | |
|---|---|---|---|---|---|
| Delivered By: (Circle One) | Observed Temp. °C 5.0 | Sample Condition | CHECKED BY: | Turnaround Time: | Standard ☐ Rush ☑ |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | Cool: ☑ Yes ☐ No | (Initials) | Thermometer ID #113 | #140 10/9/23 |
| | | Intact: ☑ Yes ☐ No | | Correction Factor -0.8°C | 24hr |

| Bacteria (only) Sample Condition | |
|---|---|
| Cool | Intact |
| ☐ Yes ☐ No | ☐ Yes ☐ No |
| Observed Temp. °C | |
| Corrected Temp. °C | |

FORM-006 R 3.3 07/18/22

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# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | BILL TO | |
|---|---|---|---|
| Company Name: | UTGE | P.O. #: | |
| Project Manager: | Becky Haskell | Company: | Earthstone |
| Address: | 701 Tradewinds Blvd | Attn: | Chris Morton |
| City: | Midland | State: TX Zip: | 79701 |
| Phone #: | 432-766-1918 | Fax #: | |
| Project #: | 226700 | Project Owner: | Earthstone |
| Project Name: | Diamond Buck 24-25 CTB | City: | |
| Project Location: | Eddy Co, NM | State: Zip: | |
| Sampler Name: | Kenny Hunt | Phone #: | |
| | | Fax #: | |

| FOR LAB USE ONLY | | | | | | MATRIX | | | | | | | PRESERV. | | | SAMPLING | | ANALYSIS REQUEST | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab I.D. | Sample I.D. | | | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | BTEX | TPH | Chloride |
| H235491 | | | | | | | | | | | | | | | | | | | |
| 47 | C5 H6 | VD-3 | 7 | G | 1 | | | X | | | | | | | 10/9/23 | 11:00 | | | |
| 48 | | VD-3 | 8 | | | | | | | | | | | | | 11:02 | | | |
| 49 | | VD-3 | 9 | | | | | | | | | | | | | 11:04 | | | |
| * 50 | | VD-3 | 10 | | | | | | | | | | | | | 11:06 | | | |
| 51 | | VD-3 | 11 | | | | | | | | | | | | | 11:08 | | | |
| 52 | C5 H7 | VD-4 | 5 | | | | | | | | | | | | | 11:10 | | | |
| 53 | | VD-4 | 6 | | | | | | | | | | | | | 11:12 | | | |
| 54 | | VD-4 | 7 | | | | | | | | | | | | | 11:14 | | | |
| 55 | | VD-4 | 8 | | | | | | | | | | | | | 11:16 | | | |
| 56 | | VD-4 | 9 | | | | | | | | | | | | | 11:18 | | | |

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| | | | | | |
|---|---|---|---|---|---|
| Relinquished By: | Date: 10/9/23 | Received By: | Verbal Result: ☐ Yes ☐ No | Add'l Phone #: | |
| | Time: 1440 | | All Results are emailed. Please provide Email address: | | |
| Relinquished By: | Date: | Received By: | REMARKS: * Customer requested ID Changes. TO. 10/10/23 | | |
| | Time: | | | | |
| Delivered By: (Circle One) | Observed Temp. °C 5.0 | Sample Condition Cool Intact | CHECKED BY: (Initials) | Turnaround Time: Standard ☐ Rush ☑ TO. 10/9/23 | Bacteria (only) Sample Condition Cool Intact Observed Temp. °C |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | ☑ Yes ☑ Yes ☐ No ☐ No | TO | Thermometer ID #140 (~~#113~~) Correction Factor ~~0.0~~ °C | 24hr ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C |

FORM-006 R 3.3 07/18/22

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CARDINAL Laboratories

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

December 18, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/13/23 13:49.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 5 0 - 6'' (H236658-01)

**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 | 12/13/2023 | ND | 2.00 | 100 | 2.00 | 13.2 | |
| Toluene* | <0.050 | 0.050 | 12/13/2023 | ND | 1.96 | 98.0 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2023 | ND | 1.94 | 97.1 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2023 | ND | 6.25 | 104 | 6.00 | 12.5 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **8260** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 186 | 93.1 | 200 | 1.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 186 | 93.2 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *105 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 5 1 - 1.5' (H236658-02)

**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 | 12/13/2023 | ND | 2.00 | 100 | 2.00 | 13.2 | |
| Toluene* | <0.050 | 0.050 | 12/13/2023 | ND | 1.96 | 98.0 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2023 | ND | 1.94 | 97.1 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2023 | ND | 6.25 | 104 | 6.00 | 12.5 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1720** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 186 | 93.1 | 200 | 1.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 186 | 93.2 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 5 2 - 2.5' (H236658-03)

**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 | 12/13/2023 | ND | 2.00 | 100 | 2.00 | 13.2 | |
| Toluene* | <0.050 | 0.050 | 12/13/2023 | ND | 1.96 | 98.0 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2023 | ND | 1.94 | 97.1 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2023 | ND | 6.25 | 104 | 6.00 | 12.5 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **432** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *87.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 5 3 - 3.5' (H236658-04)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *118 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **384** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *82.5 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 5 4 - 4.5' (H236658-05)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *117 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **272** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *86.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 6 0 - 6'' (H236658-06)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **6400** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *73.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *80.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 6 1 - 1.5' (H236658-07)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *116 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1710** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *86.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 6 2 - 2.5' (H236658-08)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *116 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **288** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 6 3 - 3.5' (H236658-09)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *118 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **368** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: VD - 6 4 - 4.5' (H236658-10)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *115 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **160** | 16.0 | 12/14/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *85.1 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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

Page 896 of 917



# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | BILL TO | |
|---|---|---|---|
| Company Name: | MTGE | P.O. #: | |
| Project Manager: | Becky Haskell | Company: | |
| Address: | 701 Tradewinds Blvd | Attn: | |
| City: | Midland State: TX Zip: 79701 | Address: | |
| Phone #: | 432-766-1918 Fax #: | City: | |
| Project #: | 226700 Project Owner: | State: Zip: | |
| Project Name: | Diamond Back 24-25 CTB | Phone #: | |
| Project Location: | Eddy Co, NM | Fax #: | |
| Sampler Name: | Kenny Han | | |

ANALYSIS REQUEST: BTEX, TPH, Chloride

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H23060 58 | | | | | | | | | | | | | | | |
| 1 | VD-5 | 0-6" | G | 1 | | | X | | | | | | | 12/13/23 | 10:40 |
| 2 | | 1-1.5' | | | | | | | | | | | | | 10:50 |
| 3 | | 2-2.5' | | | | | | | | | | | | | 10:55 |
| 4 | | 3-3.5' | | | | | | | | | | | | | 10:57 |
| 5 | | 4-4.5' | | | | | | | | | | | | | 10:58 |
| 6 | VD-6 | 0-6" | | | | | | | | | | | | | 10:12 |
| 7 | | 1-1.5' | | | | | | | | | | | | | 11:20 |
| 8 | | 2-2.5' | | | | | | | | | | | | | 11:23 |
| 9 | | 3-3.5' | | | | | | | | | | | | | 11:24 |
| 10 | | 4-4.5 | | | | | | | | | | | | | 11:25 |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 12/13/23 Time: 13:48 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | All Results are emailed. Please provide Email address: |
| | | | REMARKS: Separate from other COC |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C 1.6°C Corrected Temp. °C | Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No | CHECKED BY: (Initials) |
| | | | Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #140 Correction Factor 0°C |
| | | | Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C |

FORM-006 R 3.4 07/11/23

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

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

CARDINAL Laboratories

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

December 18, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DIAMONDBACK 24-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/13/23 13:49.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: SW - 56 0-11' (H236659-01)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *114 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **10000** | 16.0 | 12/14/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| **DRO >C10-C28*** | **264** | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| **EXT DRO >C28-C36** | **56.6** | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *78.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: SW - 62 0-2' (H236659-02)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *116 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 12/14/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *86.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: SW - 63 0-1.5' (H236659-03)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *116 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 12/14/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.9 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: CS - 127 11' (H236659-04)

**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 | 12/14/2023 | ND | 1.74 | 87.2 | 2.00 | 13.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.81 | 90.7 | 2.00 | 14.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 1.82 | 90.8 | 2.00 | 14.7 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 5.50 | 91.7 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *118 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **224** | 16.0 | 12/14/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 208 | 104 | 200 | 1.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 213 | 106 | 200 | 2.86 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *87.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

| | | | |
|---|---|---|---|
| Received: | 12/13/2023 | Sampling Date: | 12/13/2023 |
| Reported: | 12/18/2023 | Sampling Type: | Soil |
| Project Name: | DIAMONDBACK 24-25 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 226700 | Sample Received By: | Dionica Hinojos |
| Project Location: | EARTHSTONE - EDDY COUNTY, NM | | |

### Sample ID: CS - 128 1.5' (H236659-05)

**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 | 12/14/2023 | ND | 2.21 | 111 | 2.00 | 0.605 | |
| Toluene* | <0.050 | 0.050 | 12/14/2023 | ND | 2.18 | 109 | 2.00 | 0.231 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2023 | ND | 2.16 | 108 | 2.00 | 0.156 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2023 | ND | 6.79 | 113 | 6.00 | 0.678 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.0** | 16.0 | 12/14/2023 | ND | 432 | 108 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2023 | ND | 166 | 83.1 | 200 | 10.9 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2023 | ND | 157 | 78.6 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.0 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *88.3 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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

# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | BILL TO | |
|---|---|---|---|
| Company Name: | XTO | P.O. #: | |
| Project Manager: | Becky Haskell | Company: | |
| Address: | 701 Trade Winds Blvd | Attn: | |
| City: | Midland | State: TX Zip: 79701 | Address: |
| Phone #: | 432-766-1918 | Fax #: | City: |
| Project #: | 226700 | Project Owner: | State: Zip: |
| Project Name: | Diamondback 24-25 CTB | | Phone #: |
| Project Location: | | | Fax #: |
| Sampler Name: | | | |

ANALYSIS REQUEST: BTEX, TPH, Chloride

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H234658 | | | | | | | | | | | | | | | |
| 1 | SW-56 | 0-11' | C | 1 | | | X | | | | | | | 12/13/23 | 10:00 |
| 2 | SW-62 | 0-2' | | | | | | | | | | | | | 10:05 |
| 3 | SW-63 | 0-1.5' | | | | | | | | | | | | | 10:10 |
| 4 | CS-127 | 11' | | | | | | | | | | | | | 10:15 |
| 5 | CS-128 | 1.5' | | | | | | | | | | | | | 10:20 |

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| | | | |
|---|---|---|---|
| Relinquished By: | Date: 12/13/23 Time: 13:49 | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | All Results are emailed. Please provide Email address: |
| | | | REMARKS: Separate from other COC |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C 1.6 °C Corrected Temp. °C | Sample Condition Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No | CHECKED BY: (Initials) RH |
| | | | Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #140 Correction Factor 0°C |
| | | | Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C |

FORM-006 R 3.4 07/11/23

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

Received by OCD: 12/14/2024 12:00:14 AM

Released to Imaging: 4/2/2025 2:01:51 PM

# ATTACHMENT E: EXTENSION REQUEST APPROVALS

## Becky Haskell

**From:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
**Sent:** Friday, March 24, 2023 9:39 AM
**To:** Becky Haskell
**Cc:** Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD; Hamlet, Robert, EMNRD
**Subject:** FW: [EXTERNAL] Earthstone Diamondback 24-25 CTB (nAPP2300652445) Extension Request

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hello Becky

OCD approves your 90-day extension request to June 26, 2023 to submit a remediation plan or closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,

Jennifer Nobui

---

**From:** Becky Haskell <bhaskell@ntglobal.com>
**Sent:** Thursday, March 23, 2023 3:25 PM
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
**Cc:** Becky Haskell <bhaskell@ntglobal.com>; Ricardo Baer <RBaer@ntglobal.com>
**Subject:** [EXTERNAL] Earthstone Diamondback 24-25 CTB (nAPP2300652445) Extension Request

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Good Afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits this extension request. A report is due to the NMOCD by 3/25/23. We are currently conducting remediation activities and recently received analytical results indicating additional activities need to be conducted. We are requesting an additional 90 days.

Diamondback 24-25 CTB
A-24-19S-32E
Lea County, NM
nAPP2300652445

Thank You,

**Becky Haskell**
Senior Project Manager | **NTG Environmental**
M: 432-766-1918 |bhaskell@ntglobal.com
701 Tradewinds Blvd, Suite C
Midland, TX 79706

**From:** Velez, Nelson, EMNRD
**To:** Becky Haskell
**Cc:** Montgomery Floyd; Matthw.Taylor@permianres.com; Ricardo Baer; Bratcher, Michael, EMNRD
**Subject:** Re: [EXTERNAL] nAPP2300652445 Diamondback 24-25 CTB Extension Request
**Date:** Thursday, December 21, 2023 9:48:00 AM
**Attachments:** image001.jpg
image.png
Outlook-ogg5fuid.png

---

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Good morning Becky,

Your 90-day time extension request is approved. Remediation Due date has been updated to March 19, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/



## Previous email submittal:

**From:** Becky Haskell <ebhaskell@ntglobal.com>
**Sent:** Wednesday, December 20, 2023 12:27 PM
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
**Cc:** Montgomery Floyd <Montgomery.Floyd@permianres.com>; Matthew Taylor

<Matthw.Taylor@permianres.com>; Becky Haskell <bhaskell@ntglobal.com>; Ricardo Baer <RBaer@ntglobal.com>
**Subject:** [EXTERNAL] nAPP2300652445 Diamondback 24-25 CTB Extension Request

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Good Afternoon,

NTGE, on behalf of Permian Resources (Earthstone Operating, LLC), respectfully submits this extension request. A report is due to the NMOCD by 12/20/23. We are currently conducting remediation activities. We are requesting an additional 90 days.

Diamondback 24-25 CTB
A-24-19S-32E
Lea County, NM
nAPP2300652445

Thank You,

**Becky Haskell**
Senior Project Manager | **NTG Environmental**
M: 432-766-1918 |bhaskell@ntglobal.com
701 Tradewinds Blvd, Suite C
Midland, TX 79706

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---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
**Sent:** Wednesday, December 20, 2023 1:06 PM
**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
**Subject:** FW: [EXTERNAL] nAPP2300652445 Diamondback 24-25 CTB Extension Request

---

**From:** Becky Haskell <bhaskell@ntglobal.com>
**Sent:** Wednesday, December 20, 2023 12:27 PM
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
**Cc:** Montgomery Floyd <Montgomery.Floyd@permianres.com>; Matthew Taylor <Matthew.Taylor@permianres.com>; Becky Haskell <bhaskell@ntglobal.com>; Ricardo Baer <RBaer@ntglobal.com>
**Subject:** [EXTERNAL] nAPP2300652445 Diamondback 24-25 CTB Extension Request

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

Good Afternoon,

NTGE, on behalf of Permian Resources (Earthstone Operating, LLC), respectfully submits this extension request. A report is due to the NMOCD by 12/20/23. We are currently conducting remediation activities. We are requesting an additional 90 days.

Diamondback 24-25 CTB
A-24-19S-32E
Lea County, NM
nAPP2300652445

Thank You,

**Becky Haskell**
Senior Project Manager | **NTG Environmental**
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# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

QUESTIONS

Action 411775

## QUESTIONS

| | |
|---|---|
| Operator:<br>Permian Resources Operating, LLC<br>300 N. Marienfeld St Ste 1000<br>Midland, TX 79701 | OGRID:<br>372165 |
| | Action Number:<br>411775 |
| | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nAB1907841837** |
| Incident Name | **NAB1907841837 DIAMONDBACK 24-25 FED COM BATTERY @ 0** |
| Incident Type | **Produced Water Release** |
| Incident Status | **Deferral Request Received** |
| Incident Facility | **[fAB1907841396] DIAMONDBACK 24-25 FED COM BATTERY** |

| **Location of Release Source** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Site Name | DIAMONDBACK 24-25 FED COM BATTERY |
| Date Release Discovered | 03/03/2019 |
| Surface Owner | Federal |

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

| **Nature and Volume of Release** | |
|---|---|
| *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.* | |
| Crude Oil Released (bbls) Details | *Not answered.* |
| Produced Water Released (bbls) Details | Cause: Equipment Failure \| Fitting \| Produced Water \| Released: 520 BBL \| Recovered: 260 BBL \| Lost: 260 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | *Not answered.* |
| Natural Gas Vented (Mcf) Details | *Not answered.* |
| Natural Gas Flared (Mcf) Details | *Not answered.* |
| Other Released Details | *Not answered.* |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | *Not answered.* |

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## QUESTIONS (continued)

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**QUESTIONS**

| **Nature and Volume of Release (continued)** | |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported) | **No, according to supplied volumes this does not appear to be a "gas only" report.** |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | **Yes** |
| Reasons why this would be considered a submission for a notification of a major release | **From paragraph A. "Major release" determine using:**<br>**(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.** |

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

| **Initial Response** | |
|---|---|
| *The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.* | |
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | *Not answered.* |

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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

| | |
|---|---|
| I hereby agree and sign off to the above statement | Name: Matthew Taylor<br>Title: Environmental Coordinator<br>Email: matthew.taylor@permianres.com<br>Date: 12/13/2024 |

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## QUESTIONS (continued)

| | |
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| | Action Number:<br>411775 |
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**QUESTIONS**

| **Site Characterization** | |
|---|---|
| *Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.* | |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 100 and 500 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| **What is the minimum distance, between the closest lateral extents of the release and the following surface areas:** | |
| A continuously flowing watercourse or any other significant watercourse | Between 1 and 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between 1 and 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Between 1 and 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Greater than 5 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Greater than 5 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | Yes |

| **Remediation Plan** | |
|---|---|
| *Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.* | |
| Requesting a remediation plan approval with this submission | Yes |
| *Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.* | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| **Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.) | |
| Chloride (EPA 300.0 or SM4500 Cl B) | 30800 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 24160 |
| GRO+DRO (EPA SW-846 Method 8015M) | 21130 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 351 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 2.8 |
| | |
| *Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.* | |
| On what estimated date will the remediation commence | 01/05/2023 |
| On what date will (or did) the final sampling or liner inspection occur | 12/13/2023 |
| On what date will (or was) the remediation complete(d) | 12/13/2023 |
| What is the estimated surface area (in square feet) that will be reclaimed | 14933 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 1802 |
| What is the estimated surface area (in square feet) that will be remediated | 11614 |
| What is the estimated volume (in cubic yards) that will be remediated | 990 |
| *These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.* | |
| *The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.* | |

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## QUESTIONS (continued)

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**QUESTIONS**

| **Remediation Plan (continued)** | |
|---|---|
| *Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.* | |
| **This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:** | |
| *(Select all answers below that apply.)* | |
| (Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for **off-site** disposal | LEA LAND LANDFILL [fEEM0112342028] |
| **OR** which OCD approved well (API) will be used for **off-site** disposal | *Not answered.* |
| **OR** is the **off-site** disposal site, to be used, out-of-state | *Not answered.* |
| **OR** is the **off-site** disposal site, to be used, an NMED facility | *Not answered.* |
| (Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms) | *Not answered.* |
| (In Situ) Soil Vapor Extraction | *Not answered.* |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | *Not answered.* |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | *Not answered.* |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | *Not answered.* |
| Ground Water Abatement pursuant to 19.15.30 NMAC | *Not answered.* |
| OTHER (Non-listed remedial process) | *Not answered.* |
| *Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.* | |
| | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| I hereby agree and sign off to the above statement | Name: Matthew Taylor<br>Title: Environmental Coordinator<br>Email: matthew.taylor@permianres.com<br>Date: 12/13/2024 |
| *The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.* | |

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**QUESTIONS**

| | |
|---|---|
| **Deferral Requests Only** | |
| *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.* | |
| Requesting a deferral of the remediation closure due date with the approval of this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | **Yes** |
| Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction | Yes |
| Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction | Heater treater, 3-Phase Separators, Electrical boxes and components. |
| What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted | 4657 |
| What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted | 685 |
| *Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.* | |
| Enter the facility ID (f#) on which this deferral should be granted | DIAMONDBACK 24-25 FED BATTERY [fAPP2124431955] |
| Enter the well API (30-) on which this deferral should be granted | *Not answered.* |
| Contamination does not cause an imminent risk to human health, the environment, or groundwater | True |
| *Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.* | |
| | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| I hereby agree and sign off to the above statement | Name: Matthew Taylor<br>Title: Environmental Coordinator<br>Email: matthew.taylor@permianres.com<br>Date: 12/13/2024 |

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**QUESTIONS**

| **Sampling Event Information** | |
|---|---|
| Last sampling notification (C-141N) recorded | ***{Unavailable.}*** |

| **Remediation Closure Request** | |
|---|---|
| *Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.* | |
| Requesting a remediation closure approval with this submission | No |

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## CONDITIONS

| | |
|---|---|
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**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| michael.buchanan | Deferral approved. Deferral of SW-10B through SW-15B, SW-50B, SW-51B, SW-52B, SW-53B, SW-56, SW-57, and SW-61, SW-41, SW-42A, SW-44, SW-58, SW-59, CS-116, and CS-117, VD-2, VD-6 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time. | 4/2/2025 |