ived by OCD: 6/21/2023 7:17:51 AM
State of New Mexico

| Incident ID | nAPP2212348289 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

Remediation Plan

| Remediation Plan Checklist: Each of the following items must b | e 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 con- | firmed as part of any request for deferral of remediation. | |
| Contamination must be in areas immediately under or around predeconstruction. | roduction equipment where remediation could cause a major facility | |
| Extents of contamination must be fully delineated. | | |
| Contamination does not cause an imminent risk to human health | n, the environment, or groundwater. | |
| | | |
| | e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of | |
| Printed Name: Connor Walker | Title: Sr. Engineer | |
| Signature: | Date:6/21/2023 | |
| email: cwalker@mewbourne.com | Telephone: (806)202-5281 | |
| OCD Only | | |
| OCD OILLY | | |
| Received by: Shelly Wells | Date: <u>6/22/2023</u> | |
| ☐ Approved ☐ Approved with Attached Conditions of | Approval | |
| Signature: Robert Hamlet | Date: 11/21/2023 | |

| | Page 2 of 36 | 5 |
|----------------|----------------|---|
| Incident ID | nAPP2120037259 | |
| 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? | (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 | | |
| Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release | | |

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.

✓ Photographs including date and GIS information

✓ Laboratory data including chain of custody

✓ Boring or excavation logs

▼ Topographic/Aerial maps

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| Incident ID | nAPP2120037259 |
|----------------|----------------|
| 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: Connor Walker | Title: Sr. Engineer | |
| Signature: | Date: | |
| email: cwalker@mewbourne.com | Telephone: (806)202-5281 | |
| | | |
| OCD Only | | |
| Received by: | Date: | |
| | | |

| | Page 4 of 365 |
|----------------|----------------|
| Incident ID | nAPP2120037259 |
| 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) | | |
| Deferred Requests Only: Each of the following items must be com- | firmed as part of any request for deferral of remediation | |
| <u>Deferral Requests Only</u> : 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: Connor Walker | Title: Sr. Engineer | |
| Signature: | Date: | |
| email: cwalker@mewbourne.com | Telephone: (806)202-5281 | |
| | | |
| OCD Only | | |
| Received by: | Date: | |
| Approved Approved with Attached Conditions of A | Approval | |
| Signature: | Date: | |

| | Page 5 of 3 | 65 |
|----------------|----------------|----|
| Incident ID | nAPP2212348289 | |
| District RP | | |
| Facility ID | | |
| Application ID | | |

Site Assessment/Characterization

| This information mast be provided to the appropriate district office no later than 20 days after the release discovery date. | | |
|--|------------|--|
| What is the shallowest depth to groundwater beneath the area affected by the release? | (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 | |
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| 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 | | |

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.

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

✓ Depth to water determination

✓ Photographs including date and GIS information

✓ Laboratory data including chain of custody

✓ Boring or excavation logs

Topographic/Aerial maps

Received by OCD: 6/21/2023 7:17:51 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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| Incident ID | nAPP2212348289 |
|----------------|----------------|
| District RP | |
| Facility ID | |
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| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | |
|--|--------------------------|--|
| Printed Name: Connor Walker | Title: Sr. Engineer | |
| Signature: | Date: | |
| email: cwalker@mewbourne.com | Telephone: (806)202-5281 | |
| | | |
| OCD Only | | |
| Received by: | Date: | |
| | | |

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|----------------|----------------|---|
| Incident ID | nAPP2212348289 | |
| District RP | | |
| Facility ID | | |
| Application ID | | |

Remediation Plan

| Remediation Plan Checklist: Each of the following items must be | e 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 con | formed as naut of any negress for defennal of new ediction | | | | | | | | | | | |
| Contamination must be in areas immediately under or around pr 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 complet rules and regulations all operators are required to report and/or file complete which may endanger public health or the environment. The acceptar liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local limits and the state of the state o | ertain release notifications and perform corrective actions for releases are of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of | | | | | | | | | | | |
| Printed Name: Connor Walker | Title: Sr. Engineer | | | | | | | | | | | |
| Signature: | Date: | | | | | | | | | | | |
| email: cwalker@mewbourne.com | Telephone: (806)202-5281 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| OCD Only | | | | | | | | | | | | |
| Received by: | Date: | | | | | | | | | | | |
| Approved Approved with Attached Conditions of | Approval | | | | | | | | | | | |
| Signature: | Date: | | | | | | | | | | | |

NOTICE

To aid in record keeping, the following "Remediation Summary & Deferral Request" has been submitted via the NMOCD Online Payment Portal for Incident ID #'s nAPP2120037259 (release date 7/8/2021) and nAPP2212348289 (release date 4/21/2022).

Remediation Summary & Deferral Request

Mewbourne Oil Company Top Gun Federal SWD #1

Eddy County, New Mexico
Unit Letter "A", Section 18, Township 23 South, Range 27 East
Latitude 32.3100060 North, Longitude 104.223121 West
NMOCD Reference No. nAPP2120037259, nAPP2120038621 & nAPP2212348289

Prepared By:

Etech Environmental & Safety Solutions, Inc.

6309 Indiana Ave, Ste. D Lubbock, Texas 79413

an J. Arguijo

Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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| REMEDIATION ACTIVITIES SUMMARY | |
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FIGURES

- Figure 1 Topographic Map
- Figure 2 Site Characterization Map
- Figure 3A Site & Sample Location Map (Delineation)
- Figure 3B Site & Sample Location Map (Excavation)

TABLES

Table 1 - Concentrations of BTEX, TPH & Chloride in Soil

APPENDICES

- Appendix A Depth to Groundwater Information
- Appendix B Field Data & Soil Profile Log
- Appendix C Photographic Log
- Appendix D Multimedia Exposure Assessment Model (MULTIMED)
- Appendix E Laboratory Analytical Reports
- Appendix F Regulatory Correspondence

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Deferral Request* for the releases known as the Top Gun Federal SWD #1. A release on April 21, 2022 (NMOCD Incident #nAPP2212348289), affected areas that had been previously impacted by a release that occurred on July 8, 2021 (NMOCD Incident #nAPP2120037259). The releases were limited to the caliche production pad for the facility and did not impact the adjacent pasture.

Details of the individual releases are summarized below. The areas affected by the commingled releases (henceforth referred to collectively as "Top Gun") were delineated and remediated concurrently.

| nAPP2120037259 | | | | | | | | | | | | |
|---|--|-------------------------|---|--|--|--|--|--|--|--|--|--|
| Location of Release Source | | | | | | | | | | | | |
| Latitude: | | | | | | | | | | | | |
| | Provided GPS are in WGS84 format. | | | | | | | | | | | |
| Site Name: | Top Gun Fed SWI | D #1 | Site Type: Salt Water Disposal (SWD) | | | | | | | | | |
| Date Release Discovere | ed: 7/8/2021 | ble): 30-015-31075 | | | | | | | | | | |
| Unit Letter Sec | ction Township | Range | County | | | | | | | | | |
| | 18 23S | 27E | Eddy | | | | | | | | | |
| Surface Owner: X Sta | nte Federal Tribal | Private (Name | e) | | | | | | | | | |
| ш | | · · | | | | | | | | | | |
| | Nature a | nd Volume of Ro | elease | | | | | | | | | |
| Crude Oil | Volume Released (bbls) | | Volume Recovered (bbls) | | | | | | | | | |
| X Produced Water | | | | | | | | | | | | |
| | Is the concentration of total (TDS) in the produced wate | | X Yes No N/A | | | | | | | | | |
| Condensate | Volume Released (bbls) | | Volume Recovered (bbls) | | | | | | | | | |
| Natural Gas | Volume Released (Mcf) | | Volume Recovered (Mcf) | | | | | | | | | |
| Other (describe) | Volume/Weight Released | | Volume/Weight Recovered | | | | | | | | | |
| Cause of Release: A connection on the w | vellhead failed. | | | | | | | | | | | |
| | Iı | nitial Response | | | | | | | | | | |
| X The source of the r | release has been stopped. | | | | | | | | | | | |
| X The impacted area | has been secured to protect hu | man health and the env | vironment. | | | | | | | | | |
| X Release materials h | nave been contained via the use | e of berms or dikes, ab | sorbent pad, or other containment devices | | | | | | | | | |
| X All free liquids and | l recoverable materials have be | een removed and mana | ged appropriately. | | | | | | | | | |

| nAPP2212348289 | | | | | | | | | | | |
|---|--|---|----------------------------|-------------------------|--|--|--|--|--|--|--|
| Location of Release Source | | | | | | | | | | | |
| Latitude: | 32.3100060 | Longitude: | -104 | .223121 | | | | | | | |
| Provided GPS are in WGS84 format. | | | | | | | | | | | |
| Site Name: | | SWD #1 (4212022) | Site Type: | Pipeline | | | | | | | |
| Date Release Discove | ered: 4/21/2 | 022 API # (if appli | cable): | N/A | | | | | | | |
| Unit Letter S | ection Towns | ship Range | County | | | | | | | | |
| "A" | 18 235 | <u> </u> | Eddy | | | | | | | | |
| Surface Owner: X S | State Federal | Tribal Private (Na | me | , | | | | | | | |
| | Na | ture and Volume of | Release | | | | | | | | |
| Crude Oil | Volume Released | (bbls) | Volume Recovered (| Volume Recovered (bbls) | | | | | | | |
| X Produced Water | X Produced Water Volume Released (bbls) 64 Volume Recovered (bbls) | | | | | | | | | | |
| | | n of total dissolved solids ced water > 10,000 mg/L? | X Yes No | N/A | | | | | | | |
| Condensate | Volume Released | (bbls) | Volume Recovered (| (bbls) | | | | | | | |
| Natural Gas | Volume Released | (Mcf) | Volume Recovered (| (Mcf) | | | | | | | |
| Other (describe) | Volume/Weight Re | eleased | Volume/Weight Reco | overed | | | | | | | |
| Cause of Release: A joint of 12" poly p | pipeline developed a lo | eak. | | | | | | | | | |
| | | Initial Response | | | | | | | | | |
| X The source of the | release has been stopp | ped. | | | | | | | | | |
| X The impacted are | ea has been secured to p | protect human health and the | environment. | | | | | | | | |
| X Release materials | s have been contained v | via the use of berms or dikes, | absorbent pad, or other co | ntainment devices | | | | | | | |
| X All free liquids a | nd recoverable materia | ls have been removed and ma | naged appropriately. | | | | | | | | |

Previously submitted portions of the NMOCD Form C-141 for each release are available in the NMOCD Imaging System.

Please note that a duplicate Notification of Release (NOR) was inadvertently submitted for the July 8, 2021, release and was assigned Incident ID #nAPP2120038621.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Top Gun release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

| What is the shallowest depth to groundwater beneath the area affected by the release? | 100' |
|---|----------|
| Did the release impact groundwater or surface water? | Yes X No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | Yes X 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 X No |
| Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church? | Yes X 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 X No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | Yes X No |
| Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field? | Yes X No |
| Are the lateral extents of the release within 300 feet of a wetland? | Yes X No |
| Are the lateral extents of the release overlying a subsurface mine? | Yes X No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | X Yes No |
| Are the lateral extents of the release within a 100-year floodplain? | Yes X No |
| Did the release impact areas not on an exploration, development, production or storage site? | Yes X No |

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish & Wildlife Services (FWS) shapefiles, topographic maps, NMOSE and USGS databases, and aerial imagery. The results are depicted in Figures 1, 2, 4, and 5.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Top Gun release site are as follows:

| Probable Depth to Groundwater | Constituent | Laboratory Analytical Method | Closure Criteria*† | Reclamation Standard*‡ |
|----------------------------------|--|-----------------------------------|-----------------------|---------------------------|
| | Chloride (Cl-) | EPA 300.0 or SM4500 Cl B | 600 | 600 |
| | Total Petroleum Hydrocarbons (TPH) | EPA SW-846 Method 8015M Ext | 100 | 100 |
| 100' | Gas Range Organics + Diesel Range Organics (GRO + DRO) | EPA SW-846 Method 8015M | N/A | N/A |
| | Benzene | EPA SW-846 Methods 8021b or 8260b | 10 | 10 |
| | Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) | EPA SW-846 Methods 8021b or 8260b | 50 | 50 |

^{*} Measured in milligrams per kilogram (mg/kg)

[†] Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

[‡] The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 INITIAL SITE ASSESSMENT

On July 22, 2022, Etech conducted an initial site assessment. During the site assessment, a series of test trenches (TT-1 through TT-10) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. During the advancement of the test trenches, soil samples were collected and field-screened for concentrations of chloride utilizing a Hach Quantab ® chloride test kit and/or the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses. The test trenches were advanced in one (1) to two (2) foot increments until field observations and field tests suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards or until refusal was met.

Based on field observations and field test data, a total of 32 delineation soil samples (TT-1 Surface Sample, TT-1 @ 2', TT-1 @ 4', TT-2 Surface Sample, TT-2 @ 2', TT-2 @ 3', TT-3 Surface Sample, TT-3 @ 2', TT-3 @ 3', TT-4 Surface Sample, TT-4 @ 2', TT-5 Surface Sample, TT-5 @ 2', TT-5 @ 4', TT-5 @ 6', TT-6 Surface Sample, TT-6 @ 2', TT-6 @ 2', TT-7 Surface Sample, TT-7 @ 2', TT-7 @ 4', TT-8 Surface Sample, TT-8 @ 2', TT-8 @ 4', TT-8 @ 6' Refusal, TT-9 Surface Sample, TT-9 @ 2', TT-9 @ 3', TT-10 Surface Sample, TT-10 @ 2', and TT-10 @ 3') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the vertical extent of impacted soil was adequately defined and ranged from approximately two (2) feet below ground surface (bgs) in the areas characterized by test trenches TT-1, TT-3, TT-4, TT-6, TT-7, TT-9, and TT-10 to six (6) feet bgs in the areas characterized by test trenches TT-5 and TT-8.

The locations of the test trenches are depicted in Figure 3A, "Site & Sample Location Map (Delineation)".

5.0 REMEDIATION ACTIVITIES SUMMARY

On August 11, 2022, remediation activities commenced at the Top Gun release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis.

On August 12, 2022, Etech collected 15 confirmation soil samples (FS 1 @ 4' through FS 15 @ 2') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory method detection limit (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 64.0 mg/kg in soil sample FS 5 @ 3' to 1,120 mg/kg in soil sample FS 1 @ 4'. Chloride concentrations in soil samples FS 1 @ 4', FS 2 @ 6', FS 7 @ 3', FS 10 @ 5', and FS 12 @ 6' exceeded the NMOCD Closure Criterion and/or NMOCD Reclamation Standard.

On August 15, 2022, Etech collected 20 confirmation soil samples (FS 16 @ 6' through FS 35 @ 2') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 32.0 mg/kg in soil sample FS 23 @ 2' to 1,980 mg/kg in soil sample FS 17 @ 6'. Chloride concentrations in soil samples FS 16 @ 6', FS 17 @ 6', and FS 28 @ 3' exceeded the NMOCD Closure Criterion and/or NMOCD Reclamation Standard.

On August 18, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FS 1 @ 4', FS 2 @ 6', FS 7 @ 3', FS 10 @ 5', and FS 12 @ 6'. Etech collected 18 confirmation soil samples

(NWS 1 through NWS 4, WWS 1, WWS 2, WWS 3, FS 1 @ 6.5', FS 2 @ 6.5', FS 7 @ 4', FS 10 @ 6.5', FS 12 @ 6.5', and FS 40 @ 6' through FS 45 @ 6') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 112 mg/kg in soil sample FS 10 @ 6.5' to 640 mg/kg in soil samples FS 41 @ 6' and FS 45 @ 6'. Chloride concentrations in soil samples FS 41 @ 6' and FS 45 @ 6' exceeded the NMOCD Closure Criterion.

On August 19, 2022, Etech collected six (6) confirmation soil samples (36 @ 6' through 39 @ 6', 49 @ 6', and 52 @ 3') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 304 mg/kg in soil samples 36 @ 6' and 37 @ 6' to 544 mg/kg in soil sample 52 @ 3'.

On August 23, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FS 16 @ 6', FS 17 @ 6', and FS 28 @ 3'. Etech collected 15 confirmation soil samples (FS 16 @ 10', FS 17 @ 10', FS 28 @ 4', FS 46 @ 4', FS 47 @ 6', FS 48 @ 4', FS 50 @ 6', FS 51 @ 6', and FS 53 @ 2' through FS 59 @ 2') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL, with the exception of soil sample FS 54 @ 3', which exhibited a TPH concentration of 11.0 mg/kg. Chloride concentrations ranged from 80.0 mg/kg in soil sample FS 53 @ 2' to 1,260 mg/kg in soil sample FS 59 @ 2', which exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard.

On August 25, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FS 41 @ 6' and FS 45 @ 6'. Etech collected 14 confirmation soil samples (FS 41 @ 7', FS 45 @ 7', and FS 60 @ 4' through FS 71 @ 2') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL, with the exception of soil sample FS 61 @ 9', which exhibited a TPH concentration of 37.0 mg/kg. Chloride concentrations ranged from 32.0 mg/kg in soil sample FS 67 @ 2' to 624 mg/kg in soil sample FS 71 @ 2', which exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard.

On August 26, 2022, Etech collected 10 confirmation soil samples (FS 72 @ 3' through FS 81 @ 2') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 64.0 mg/kg in soil sample FS 75 @ 2' to 480 mg/kg in soil sample FS 80 @ 2'.

On August 30, 2022, Etech collected 10 confirmation soil samples (FS 82 @ 2' through FS 91 @ 3') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 80.0 mg/kg in soil sample FS 90 @ 2' to 608 mg/kg in soil sample FS 85 @ 2', which exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard.

On September 1, 2022, based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FS 59 @ 2'. Etech collected 10 confirmation soil samples (FS 59 @ 3' and FS 92 @ 2' through FS 100 @ 4') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride.

Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 112 mg/kg in soil sample FS 97 @ 4' to 384 mg/kg in soil sample FS 92 @ 2'.

On September 2, 2022, Etech collected 32 confirmation soil samples (FS 101 @ 4' through FS 132 @ 2') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL, with the exception of soil sample FS 129 @ 3', which exhibited a TPH concentration of 13.8 mg/kg. Chloride concentrations ranged from 48.0 mg/kg in soil sample FS 111 @ 3' to 624 mg/kg in soil sample FS 109 @ 2', which exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard.

On September 6, 2022, Etech advanced a series of hand-augered soil bores (DFS 1 through DFS 5) to further characterize the affected area adjacent to and/or beneath the on-site storage tanks, containment area, and associated piping, appurtenances, and electrical facilities requiring deferral of remediation (henceforth, "Deferral Area"). During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for concentrations of chloride utilizing a chloride test kit and/or the presence of VOCs utilizing olfactory/visual senses. The soil bores were advanced in one (1) foot increments until field observations and field tests suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Based on field observations and field test data, a total of 26 deferral characterization soil samples (DFS 1 @ Surface, DFS 1 @ 1', DFS 1 @ 2', DFS 1 @ 3', DFS 1 @ 4', DFS 1 @ 5', DFS 1 @ 6', DFS 2 @ Surface, DFS 2 @ 1', DFS 2 @ 2', DFS 2 @ 3', DFS 3 @ 3', DFS 3 @ 4', DFS 3 @ 5', DFS 3 @ 6', DFS 4 @ Surface, DFS 4 @ 1', DFS 4 @ 2', DFS 4 @ 3', DFS 5 @ Surface, DFS 5 @ 1', and DFS 5 @ 2') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined and ranged from approximately two (2) feet bgs in the areas characterized by sample points DFS 4 and DFS 5 to six (6) feet bgs in the areas characterized by sample points DFS 1 and DFS 3.

On September 6, 2022, Etech also collected two (2) confirmation soil samples (NWS 5 and EWS 1) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 160 mg/kg in soil sample NWS 5 to 448 mg/kg in soil sample EWS 1.

On September 9, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FS 71 @ 2', FS 85 @ 2', and FS 109 @ 2'. Etech collected three (3) confirmation soil samples (FS 71 @ 3', FS 85 @ 3', and FS 109 @ 3') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated that chloride concentrations were below the NMOCD Closure Criterion and NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 64.0 mg/kg in soil sample FS 109 @ 3' to 240 mg/kg in soil sample FS 71 @ 3'.

On February 23, 2023, Etech advanced a series of hand-augered soil bores (DFS 6 through DFS 10) to further characterize impacted soil in the Deferral Area. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for concentrations of chloride utilizing a chloride test kit and/or the presence of VOCs utilizing olfactory/visual senses. The soil bores were advanced in one (1) foot increments until field observations and field tests suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Based on field observations and field test data, a total of 16 deferral characterization soil samples (DFS 6 @ Surface, DFS 6 @ 1', DFS 7 @ Surface, DFS 7 @ 1', DFS 7 @ 2', DFS 8 @ Surface, DFS 8 @ 1', DFS 8 @ 2', DFS 8 @ 3', DFS 8 @ 4', DFS 9 @ Surface, DFS 9 @ 1', DFS 10 @ 2', and DFS 10 @ 2', and DFS 10 @ 3') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined and ranged from approximately two (2) feet bgs in the area characterized by sample point DFS 8 to three (3) feet bgs in the area characterized by sample points DFS 6, DFS 7, and DFS 9.

The final dimensions of the excavated area were approximately 320 feet in length, 20 to 214 feet in width, and 2 to 10 feet in depth. During the course of remediation activities, Etech transported approximately 5,180 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 5,180 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

Soil sample locations and the extents of the excavated area and the Deferral Area are depicted in Figure 3B, "Site & Sample Location Map (Excavation)". Soil chemistry data is summarized in Table 1. Field data and a soil profile log are provided in Appendix B. General photographs of the site are provided in Appendix C. Laboratory analytical reports are provided in Appendix E. Copies of all regulatory correspondence are provided in Appendix F.

6.0 IN-SITU CHLORIDE MIGRATION MODELING

Etech utilized the Environmental Protection Agency's (EPA) Multimedia Exposure Assessment Model (MULTIMED) to determine if the contamination remaining in-situ in the Deferral Area poses a threat to groundwater quality. The most appropriate and conservative parameter values possible for the site were used for the assessment model in regard to depth to groundwater (100 feet bgs), deepest depth investigated, etc. Additional parameter values were utilized that have been previously approved by the NMOCD as being representative of the general area and for simulating unlined excavations and/or oil and gas facilities.

The MULTIMED model indicates that the concentration of chloride contributed to the underlying groundwater will not exceed the standard of 250 mg/L until approximately 160 years have lapsed (see Appendix D). Pursuant to Section 19.15.29.12.C(2) NMAC, the model effectively demonstrates that leaving the contamination in-situ in the Deferral Area (characterized by sample points DFS1 through DFS10) "does not cause an imminent risk to human health, the environment, or ground water".

7.0 DEFERRAL REQUEST

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated to the extent practicable and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate in-situ concentrations of BTEX and TPH are below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Remediation of chloride-impacted soil affected above the NMOCD Closure Criteria remaining in-situ in the Deferral Area will be completed upon decommissioning and abandonment of the SWD facility, in accordance with Sections 19.15.29.12 and 19.15.29.13 NMAC.

8.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

The release was limited to the production pad and containment areas of an active tank battery. Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected areas were compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Final reclamation and re-vegetation of the Deferral Area will be conducted upon decommissioning and abandonment of the facility.

9.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Deferral Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

10.0 DISTRIBUTION

Mewbourne Oil Company 4801 Business Park Blvd. Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

Hobbs Field Office

New Mexico State Land Office 2827 North Dal Paso Street Suite 117 Hobbs, NM 88240

(Electronic Submission)

Figure 1 Topographic Map

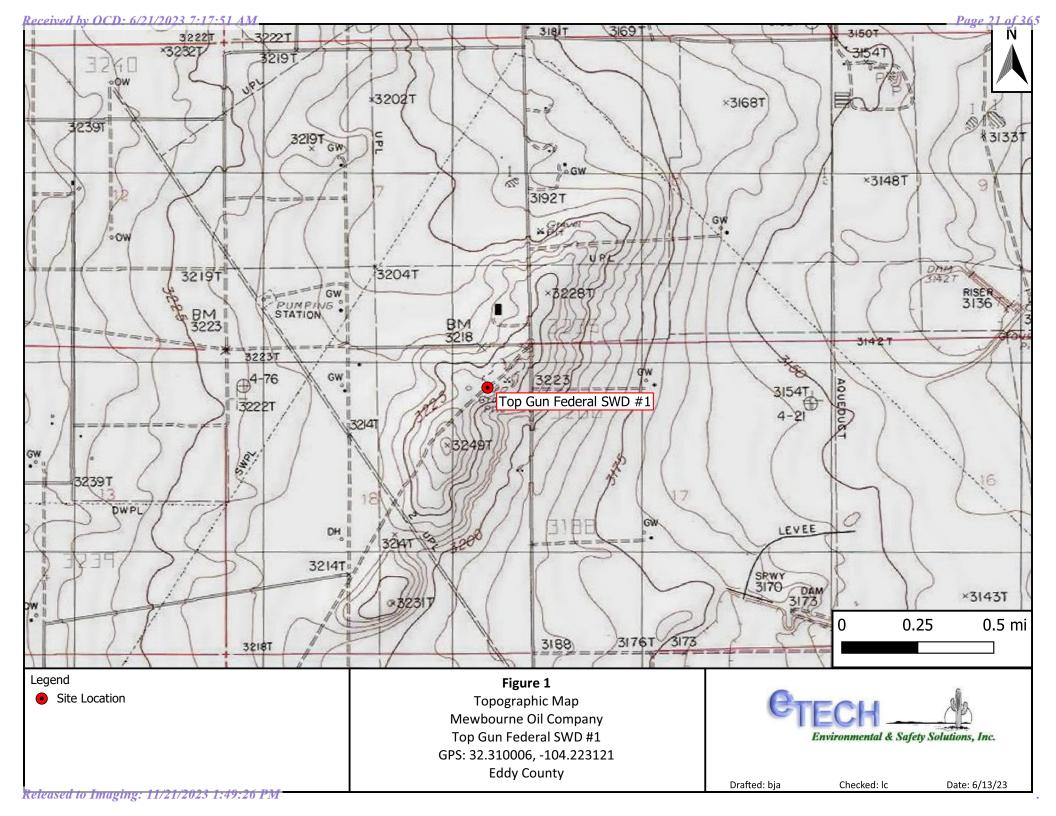
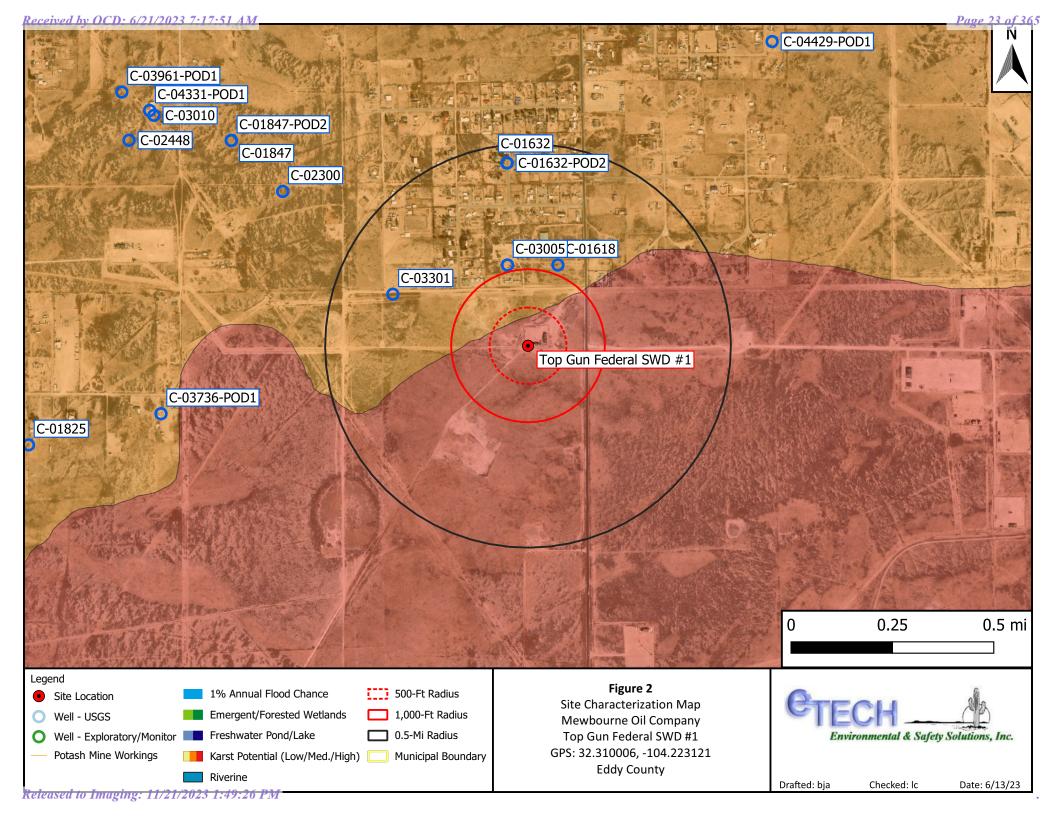
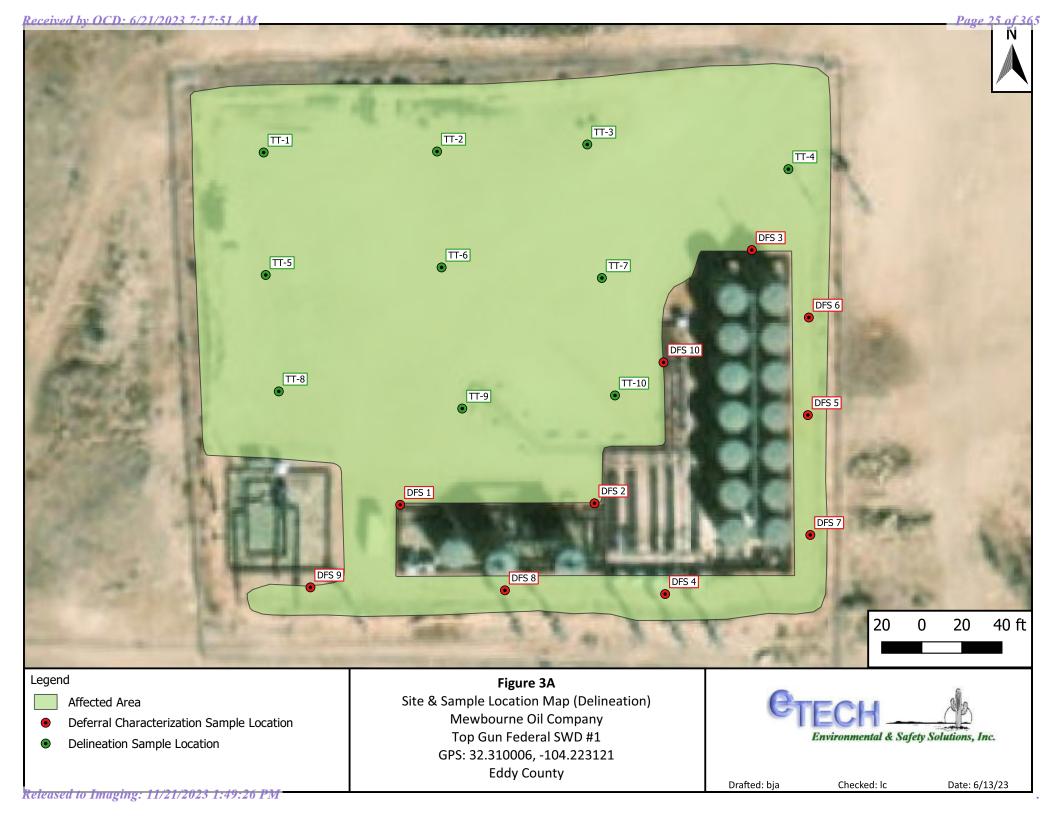


Figure 2 Site Characterization Map



Figures 3A & 3B Site & Sample Location Maps



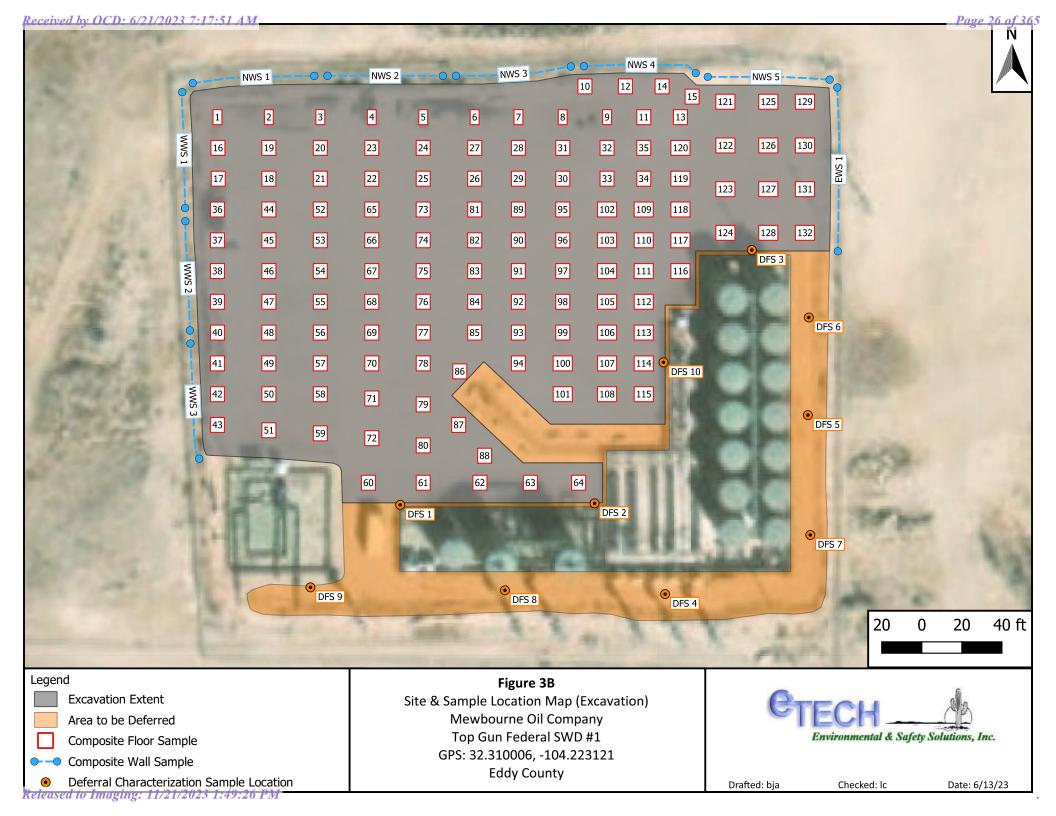


Table 1 Concentrations of BTEX, TPH & Chloride in Soil

| Table 1 | | | | | | | | | | | |
|--|-----------------|--------|---|--------------|--------------|------------------|----------------------------------|--|----------------------------------|---------------------------------|---------------------|
| Concentrations of BTEX, TPH & Chloride in Soil | | | | | | | | | | | |
| Mewbourne Oil Company | | | | | | | | | | | |
| | | | | | Federal S | | | | | | |
| | NMC | OCD Re | f. #: nAPP2 | • | | | & nAPP2 | 21234828 | 9 | | |
| NMOCI | D Closure Crit | | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 |
| | Reclamation Sta | | | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 |
| | | | | SW 84 | 6 8021B | | SW | 846 8015M | Ext. | | 4500 Cl |
| | _ | Depth | | | | GRO | DRO | GRO + | ORO | ТРН | |
| Sample ID | Date | (Feet) | Soil Status | Benzene | BTEX | C_6 - C_{10} | C ₁₀ -C ₂₈ | DRO | C ₂₈ -C ₃₆ | C ₆ -C ₃₆ | Chloride |
| | | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | C ₆ -C ₂₈ (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | I | Delinea | tion & Defer | ral Characte | rization Sam | ples | (mg/kg) | | | |
| T-1 Surface Sample 7/22/2022 0 Excavated <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 | | | | | | | | | | | 86,400 |
| TT-1 @ 2' | 7/22/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| TT-1 @ 4' | 7/22/2022 | 4 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| TT-2 Surface Sample | 7/22/2022 | 0 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,760 |
| TT-2 @ 2' | 7/22/2022 | 2 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 832 |
| TT-2 @ 3' | 7/22/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| TT-3 Surface Sample | 7/22/2022 | 0 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 12,800 |
| TT-3 @ 2' | 7/22/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| TT-3 @ 3' | 7/22/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |
| TT-4 Surface Sample | 7/22/2022 | 0 | Excavated | < 0.050 | < 0.300 | <10.0 | 159 | 159 | 125 | 284 | 13,600 |
| TT-4 @ 2' | 7/22/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| TT-4 @ 2' | 7/22/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| TT-5 Surface Sample | 7/22/2022 | 0 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 5,280 |
| TT-5 @ 2' | 7/22/2022 | 2 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,060 |
| TT-5 @ 4' | 7/22/2022 | 4 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 5,920 |
| TT-5 @ 6' | 7/22/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| TT-6 Surface Sample | 7/22/2022 | 0 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16,100 |
| TT-6 @ 2' | 7/22/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| TT-6 @ 2' | 7/22/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| TT-7 Surface Sample | 7/22/2022 | 0 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 20,800 |
| TT-7 @ 2' | 7/22/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| TT-7 @ 4' | 7/22/2022 | 4 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| TT-8 Surface Sample | 7/22/2022 | 0 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 13,200 |
| TT-8 @ 2' | 7/22/2022 | 2 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,300 |
| TT-8 @ 4' | 7/22/2022 | 4 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,340 |
| TT-8 @ 6' Refusal | 7/22/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 512 |
| TT-9 Surface Sample | 7/22/2022 | 0 | Excavated | < 0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 14,000 |
| TT-9 @ 2' | 7/22/2022 | 2 | Excavated | < 0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 512 |
| TT-9 @ 3' | 7/22/2022 | 3 | In-Situ | < 0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| TT-10 Surface Sample | 7/22/2022 | 0 | Excavated | < 0.050 | <0.300 | <10.0 | 98.7 | 98.7 | 78.1 | 177 | 12,400 |
| TT-10 @ 2' | 7/22/2022 | 2 | Excavated | < 0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| TT-10 @ 3' | 7/22/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | 11.6 | 11.6 | 12.1 | 23.7 | 224 |
| DFS 1 @ Surface | 9/6/2022 | 0 | Deferral | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,070 |
| DFS 1 @ 1' | 9/6/2022 | 1 | Deferral | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,680 |
| DFS 1 @ 2' | 9/6/2022 | 2 | Deferral | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,570 |
| DFS 1 @ 3' | 9/6/2022 | 3 | Deferral | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,360 |
| DFS 1 @ 4' | 9/6/2022 | 4 | Deferral Deferral | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,420 |
| DFS 1 @ 5' DFS 1 @ 6' | 9/6/2022 | 5 6 | Deferral In Situ | <0.050 | <0.300 | <10.0 | <10.0 <10.0 | <20.0 <20.0 | <10.0 | <30.0 | 1,680 160 |
| DFS 1 @ 6 DFS 2 @ Surface | 9/6/2022 | | In-Situ | <0.050 | <0.300 | <10.0 | | | <10.0 | <30.0 | |
| DFS 2 @ Surface DFS 2 @ 1' | 9/6/2022 | 0 | Deferral Deferral | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 <20.0 | <10.0 | <30.0 | 3,560 |
| DFS 2 @ 1' | 9/6/2022 | 2 | Deferral Deferral | <0.050 | <0.300 | <10.0 <10.0 | <10.0 <10.0 | <20.0 | <10.0 <10.0 | <30.0 <30.0 | 2,640 1,360 |
| DFS 2 @ 2 DFS 2 @ 3' | 9/6/2022 | 3 | Deferral | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 3,360 |
| DFS 2 @ 4' | 9/6/2022 | 4 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| DFS 2 @ 4 DFS 3 @ Surface | 9/6/2022 | 0 | Deferral | < 0.050 | < 0.300 | <10.0 | 132 | 132 | 20.4 | 152 | 20,000 |
| DFS 3 @ 1' | 9/6/2022 | 1 | Deferral | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 4,560 |
| D1 0 3 W 1 | 71012022 | 1 | Deletial | -0.050 | .0.500 | 10.0 | 10.0 | -20.0 | 10.0 | -50.0 | 7,500 |

Dash (-): Sample not analyzed for that constituent. **Bold:** NMOCD Closure Criteria exceedance. **Red:** NMOCD Reclamation Standard exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Top Gun Federal SWD #1

NMOCD Ref. #: nAPP2120037259, nAPP2120038621 & nAPP2212348289 **NMOCD Closure Criteria** 10 N/A N/A 100 **NMOCD Reclamation Standard** 10 50 N/A N/A N/A N/A 100 600 SW 846 8021B SW 846 8015M Ext. 4500 Cl GRO + Depth GRO DRO ORO TPH Sample ID Soil Status Date BTEX DRO Chloride Benzene (Feet) C_6-C_{10} C_{10} - C_{28} C28-C36 C₆-C₃₆ (mg/kg) (mg/kg) (mg/kg) C6-C28 (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) 9/6/2022 2 < 0.050 <10.0 <30.0 DFS 3 @ 2' Deferral < 0.300 <10.0 <10.0 9,600 < 20.0 DFS 3 @ 3' 9/6/2022 Deferral < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 3 2,920 < 0.050 < 0.300 <10.0 <10.0 <10.0 <30.0 DFS 3 @ 4' 9/6/2022 4 Deferral < 20.0 992 72.0 DFS 3 @ 5' 9/6/2022 5 Deferral < 0.050 < 0.300 <10.0 72.0 <10.0 72.0 880 DFS 3 @, 6' 9/6/2022 6 In-Situ < 0.050 < 0.300 <10.0 15.0 15.0 <10.0 15.0 288 DFS 4 @ Surface 9/6/2022 0 Deferral < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 4,160 <10.0 DFS 4 @, 1' 9/6/2022 Deferral < 0.050 < 0.300 <10.0 < 20.0 <10.0 <30.0 1,150 DFS 4 @ 2' <10.0 <10.0 480 9/6/2022 2 In-Situ < 0.050 < 0.300 <10.0 < 20.0 < 30.0 DFS 4 @ 3' 9/6/2022 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 208 3 In-Situ DFS 5 @ Surface 9/6/2022 0 < 0.050 < 0.300 <10.0 33.0 33.0 <10.0 33.0 24,400 Deferral DFS 5 @ 1 9/6/2022 < 0.050 < 0.300 <10.0 < 20.0 <10.0 < 30.0 1,220 Deferral <10.0 DFS 5 @ 2' < 0.050 <10.0 9/6/2022 2 In-Situ < 0.300 <10.0 < 20.0 <10.0 < 30.0 144 <10.0 30,800 DFS 6 @ Surface 2/23/2023 0 Deferral < 0.050 < 0.300 <10.0 < 20.0 <10.0 < 30.0 DFS 6 @ 1' 2/23/2023 1 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 224 DFS 7 @ Surface 2/23/2023 0 Deferral < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 8,130 DFS 7 @ 1' 2/23/2023 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 352 In-Situ DFS 7 @ 2' 2/23/2023 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 288 Deferral < 0.300 <10.0 37.6 <10.0 37.6 DFS 8 @ Surface 2/23/2023 0 < 0.050 37.6 832 DFS 8 @ 1' 2/23/2023 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 1 Deferral 3,600 512 DFS 8 @ 2' 2/23/2023 < 0.050 < 0.300 <10.0 < 20.0 <10.0 < 30.0 2 In-Situ <10.0 DFS 8 @ 3' 2/23/2023 3 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 560 DFS 8 @ 4' 2/23/2023 4 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 48.0 DFS 9 @ Surface 2/23/2023 0 Deferral < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 14,600 DFS 9 @ 1' 2/23/2023 In-Situ < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 304 DFS 10 @ Surface 2/23/2023 0 Deferral < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 28,800 DFS 10 @ 1' 2/23/2023 Deferral < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 2,360 DFS 10 @ 2' 2/23/2023 2 Deferral < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 816 DFS 10 @ 3' 2/23/2023 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 320 3 In-Situ **Excavation Samples** NWS 1 < 0.050 <10.0 < 20.0 <10.0 < 30.0 320 8/18/2022 0.5-6In-Situ < 0.300 <10.0 NWS 2 8/18/2022 0.5-2.5 < 0.050 <10.0 < 20.0 <10.0 <30.0 In-Situ < 0.300 <10.0 288 NWS 3 8/18/2022 0.5-6 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 240 NWS 4 8/18/2022 0.5-6 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 192 <10.0 NWS 5 9/6/2022 0.5 - 2.5< 0.050 < 0.300 <10.0 < 20.0 <10.0 < 30.0 160 In-Situ EWS 1 9/6/2022 0.5-2.5 < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 448 In-Situ WWS 1 < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 352 8/18/2022 0.5-9.5 In-Situ WWS 2 8/18/2022 0.5-5.5 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 176 WWS 3 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 192 8/18/2022 0.5-6.5 In-Situ <10.0 <30.0 FS 1 @ 4' <10.0 8/12/2022 4 Excavated < 0.050 < 0.300 < 20.0 <10.0 1,120 FS 1 @ 6.5' 8/18/2022 6.5 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 304 FS 2 @ 6' < 0.050 <10.0 8/12/2022 < 0.300 <10.0 < 20.0 <10.0 < 30.0 672 6 Excavated FS 2 @ 6.5' In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 8/18/2022 6.5 496 FS 3 @ 2' < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 112 8/12/2022 In-Situ 2 FS 4 @ 2' 2 8/12/2022 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 352

8/12/2022

8/12/2022

8/12/2022

3

3

In-Situ

In-Situ

Excavated

< 0.050

< 0.050

< 0.050

< 0.300

< 0.300

< 0.300

<10.0

<10.0

<10.0

<10.0

<10.0

<10.0

< 20.0

< 20.0

< 20.0

<10.0

<10.0

<10.0

<30.0

<30.0

< 30.0

64.0

80.0

608

FS 5 @ 3'

FS 6 @ 3'

FS 7 @ 3'

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Top Gun Federal SWD #1

| NMOCD Ref. #: nAPP2120037259, nAPP2120038621 & nAPP2212348289 | | | | | | | | | | | |
|---|-----------------|-----------------|-------------|--------------------|-----------------|---|--|--|--|---|---------------------|
| NMOC | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 | | | |
| NMOCD F | Reclamation Sta | andard | | 10 | 50 | N/A | N/A | N/A N/A N/A | | 100 | 600 |
| | | | | SW 840 | 6 8021B | | SW | 846 8015M | Ext. | | 4500 CI |
| Sample ID | Date | Depth (Feet) | Soil Status | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| FS 7 @ 4' | 8/18/2022 | 4 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FS 8 @ 2' | 8/12/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FS 9 @ 3' | 8/12/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | < 30.0 | 224 |
| FS 10 @ 5' | 8/12/2022 | 5 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | <30.0 | 720 |
| FS 10 @ 6.5' | 8/18/2022 | 6.5 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| FS 11 @ 3' | 8/12/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 448 |
| FS 12 @ 6' | 8/12/2022 | 6 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 880 |
| FS 12 @ 6.5' | 8/18/2022 | 6.5 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | < 30.0 | 416 |
| FS 13 @ 3' | 8/12/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | < 30.0 | 368 |
| FS 14 @ 2' | 8/12/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FS 15 @ 2' | 8/12/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FS 16 @ 6' | 8/15/2022 | 6 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,960 |
| FS 16 @ 10' | 8/23/2022 | 10 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | 10.5 | 10.5 | 592 |
| FS 17 @ 6' | 8/15/2022 | 6 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,980 |
| FS 17 @ 10' | 8/23/2022 | 10 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| FS 18 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 560 |
| FS 19 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FS 20 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | < 30.0 | 112 |
| FS 21 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | <30.0 | 48.0 |
| FS 22 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | < 30.0 | 208 |
| FS 23 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FS 24 @ 3' | 8/15/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | <30.0 | 96.0 |
| FS 25 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | < 30.0 | 112 |
| FS 26 @ 3' | 8/15/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | < 30.0 | 512 |
| FS 27 @ 3' | 8/15/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| FS 28 @ 3' | 8/15/2022 | 3 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 704 |
| FS 28 @ 4' | 8/23/2022 | 4 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FS 29 @ 3' | 8/15/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 528 |
| FS 30 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| FS 31 @ 3' | 8/15/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 544 |
| FS 32 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FS 33 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| FS 34 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FS 35 @ 2' | 8/15/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| 36 @ 6' | 8/19/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| 37 @ 6' | 8/19/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| 38 @ 6' | 8/19/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| 39 @ 6' | 8/19/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |
| FS 40 @ 6' | 8/18/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 576 |
| FS 41 @ 6' | 8/18/2022 | 6 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 640 |
| FS 41 @ 7' | 8/25/2022 | 7 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FS 42 @ 6' | 8/18/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 528 |
| FS 43 @ 6' | 8/18/2022 | 6 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 496 |
| FS 44 @ 6' | 8/18/2022 | 6 | In-Situ | < 0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FS 45 @ 6' | 8/18/2022 | 6 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 640 |
| FS 45 @ 7' | 8/25/2022 | 7 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FS 46 @ 4' | 8/23/2022 | 4 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | < 20.0 | <10.0 | <30.0 | 336 |

Dash (-): Sample not analyzed for that constituent. **Bold:** NMOCD Closure Criteria exceedance. **Red:** NMOCD Reclamation Standard exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Top Cup Federal SWD #1

Top Gun Federal SWD #1
NMOCD Ref. #: nAPP2120037259, nAPP2120038621 & nAPP2212348289

| NMOCD Ref. #: nAPP2120037259, nAPP2120038621 & nAPP2212348289 | | | | | | | | | | | |
|---|------------------------|-----------------|--------------------|--------------------|-----------------|---|--|---|--|---|---------------------|
| NMO | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 | | | |
| NMOCD | Reclamation Sta | andard | | 10 | 50 | N/A N/A N/A | | | N/A | 600 | |
| | | | | SW 84 | 6 8021B | | SW 846 8015M Ext. | | | | |
| Sample ID | Date | Depth (Feet) | Soil Status | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| FS 47 @ 6' | 8/23/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | (mg/kg) <20.0 | <10.0 | <30.0 | 256 |
| FS 48 @ 4' | 8/23/2022 | 4 | In-Situ In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| 49 @ 6' | 8/19/2022 | 6 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| FS 50 @ 6' | 8/23/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| FS 51 @ 6' | 8/23/2022 | 6 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| 52 @ 3' | 8/19/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 544 |
| FS 53 @ 2' | 8/23/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FS 54 @ 3' | 8/23/2022 | 3 | In-Situ In-Situ | < 0.050 | < 0.300 | <10.0 | 11.0 | 11.0 | <10.0 | 11.0 | 160 |
| FS 55 @ 3' | 8/23/2022 | 3 | In-Situ In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FS 56 @ 2' | 8/23/2022 | 2 | In-Situ In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 512 |
| FS 57 @ 3' | | 3 | In-Situ In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FS 58 @, 2' | 8/23/2022 8/23/2022 | 2 | In-Situ In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| FS 59 @ 2' | 8/23/2022 | 2 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,260 |
| FS 59 @ 2' | 9/1/2022 | 3 | | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| | - | 4 | In-Situ | | | <10.0 | <10.0 | | | <30.0 | 512 |
| FS 60 @ 4' | 8/25/2022 | 9 | In-Situ | <0.050 | <0.300 | | | <20.0 | <10.0 | | |
| FS 61 @ 9' | 8/25/2022 | | In-Situ | <0.050 | <0.300 | <10.0 | 15.9 | 15.9 | 21.1 | 37.0 | 368 |
| FS 62 @ 3' | 8/25/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 592 |
| FS 63 @ 2' | 8/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| FS 64 @ 2' | 8/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FS 65 @ 2' | 8/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FS 66 @ 2' | 8/25/2022 | 2 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FS 67 @ 2' | 8/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FS 68 @ 2' | 8/25/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FS 69 @ 2' | 8/25/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FS 70 @ 2' | 8/25/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 528 |
| FS 71 @ 2' | 8/25/2022 | 2 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 624 |
| FS 71 @ 3' | 9/9/2022 | 3 | In-Situ | - | - | - | - | - | - | - | 240 |
| FS 72 @ 3' | 8/26/2022 | 3 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FS 73 @ 3' | 8/26/2022 | 3 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FS 74 @ 2' | 8/26/2022 | 2 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FS 75 @ 2' | 8/26/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FS 76 @ 2' | 8/26/2022 | 2 | In-Situ | | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FS 77 @ 2' | 8/26/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FS 78 @ 2' | 8/26/2022 | 2 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FS 79 @ 3' | 8/26/2022 | 3 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| FS 80 @ 2' | 8/26/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| FS 81 @ 2' | 8/26/2022 | 2 | In-Situ | <0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FS 82 @ 2' | 8/30/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FS 83 @ 2' | 8/30/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| FS 84 @ 2' | 8/30/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FS 85 @ 2' | 8/30/2022 | 2 | Excavated | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 608 |
| FS 85 @ 3' | 9/9/2022 | 3 | In-Situ | - | - | - | - | - | - | - | 192 |
| FS 86 @ 2' | 8/30/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 512 |
| FS 87 @ 3' | 8/30/2022 | 3 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FS 88 @ 2' | 8/30/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| FS 89 @ 2' | 8/30/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FS 90 @ 2' | 8/30/2022 | 2 | In-Situ | < 0.050 | < 0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |

Dash (-): Sample not analyzed for that constituent. **Bold:** NMOCD Closure Criteria exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Top Gun Federal SWD #1

NMOCD Ref. #: nAPP2120037259, nAPP2120038621 & nAPP2212348289 **NMOCD Closure Criteria** 10 N/A N/A 100 **NMOCD Reclamation Standard** 10 50 N/A N/A N/A N/A 100 600 SW 846 8021B SW 846 8015M Ext. 4500 Cl GRO + Depth GRO DRO ORO TPH Sample ID Soil Status Date BTEX Chloride Benzene DRO (Feet) C_6-C_{10} C₁₀-C₂₈ C28-C36 C₆-C₃₆ (mg/kg) (mg/kg) (mg/kg) C_6-C_{28} (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) 8/30/2022 < 0.050 <10.0 <30.0 240 FS 91 @ 3' In-Situ < 0.300 <10.0 <10.0 3 < 20.0 FS 92 @, 2' 9/1/2022 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 384 2 9/1/2022 < 0.050 <10.0 <10.0 <30.0 336 FS 93 @, 2' 2 In-Situ < 0.300 <10.0 < 20.0 FS 94 @ 4' 9/1/2022 4 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 176 FS 95 @ 2' 9/1/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 208 FS 96 @ 2' 9/1/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 192 FS 97 @, 4' <10.0 9/1/2022 4 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <30.0 112 FS 98 @, 3' <10.0 9/1/2022 3 < 0.050 < 0.300 <10.0 < 20.0 <10.0 < 30.0 192 In-Situ FS 99 @ 3' 9/1/2022 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 144 3 In-Situ FS 100 @ 4' 9/1/2022 4 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 192 In-Situ 9/2/2022 FS 101 @ 4' < 0.050 < 0.300 <10.0 < 20.0 < 30.0 4 In-Situ <10.0 <10.0 176 FS 102 @ 3' < 0.050 9/2/2022 3 In-Situ < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 208 FS 103 @ 2' < 0.050 <10.0 400 9/2/2022 2 In-Situ < 0.300 <10.0 < 20.0 <10.0 < 30.0 FS 104 @ 3' 9/2/2022 3 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 112 FS 105 @ 3' 9/2/2022 3 In-Situ < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 128 9/2/2022 4 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 208 FS 106 @ 4' In-Situ FS 107 @ 3' 9/2/2022 3 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 192 FS 108 @ 3' 9/2/2022 3 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 240 In-Situ FS 109 @ 2' 9/2/2022 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 2 Excavated 624 FS 109 @ 3' 9/9/2022 64.0 3 In-Situ FS 110 @ 3' 9/2/2022 3 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 80.0 FS 111 @ 3' 9/2/2022 3 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 48.0 < 0.050 FS 112 @ 2' 9/2/2022 2 In-Situ < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 224 FS 113 @ 2' 9/2/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 96.0 FS 114 @ 2' 9/2/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 64.0 FS 115 @ 2' 9/2/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 416 FS 116 @ 2' 9/2/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 144 96.0 FS 117 @ 2' 9/2/2022 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 2 In-Situ FS 118 @ 2' 9/2/2022 <10.0 <10.0 < 20.0 <30.0 304 2 In-Situ < 0.050 < 0.300 <10.0 FS 119 @ 2' 9/2/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 240 FS 120 @ 2' 9/2/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 80.0 FS 121 @ 2' 9/2/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 240 <10.0 FS 122 @ 2' 9/2/2022 2 In-Situ < 0.050 < 0.300 <10.0 < 20.0 <10.0 < 30.0 432 FS 123 @ 2' 9/2/2022 2 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 256 FS 124 @ 2' 2 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 9/2/2022 In-Situ 160 FS 125 @ 2' 2 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 240 9/2/2022 In-Situ <20.0 FS 126 @ 2' <10.0 <10.0 <10.0 9/2/2022 2 In-Situ < 0.050 < 0.300 < 30.0 336 FS 127 @ 3' 9/2/2022 3 In-Situ < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 < 30.0 96.0 FS 128 @ 3' 9/2/2022 3 In-Situ < 0.050 < 0.300 <10.0 <10.0 <20.0 <10.0 <30.0 96.0 FS 129 @ 3' < 0.050 9/2/2022 3 < 0.300 <10.0 13.8 13.8 <10.0 13.8 400 In-Situ FS 130 @ 2' 9/2/2022 < 0.050 < 0.300 <10.0 <10.0 < 20.0 <10.0 <30.0 2 In-Situ 208

< 0.050

< 0.050

< 0.300

< 0.300

<10.0

<10.0

<10.0

<10.0

<10.0

<10.0

< 20.0

< 20.0

<30.0

< 30.0

9/2/2022

9/2/2022

2

2

In-Situ

In-Situ

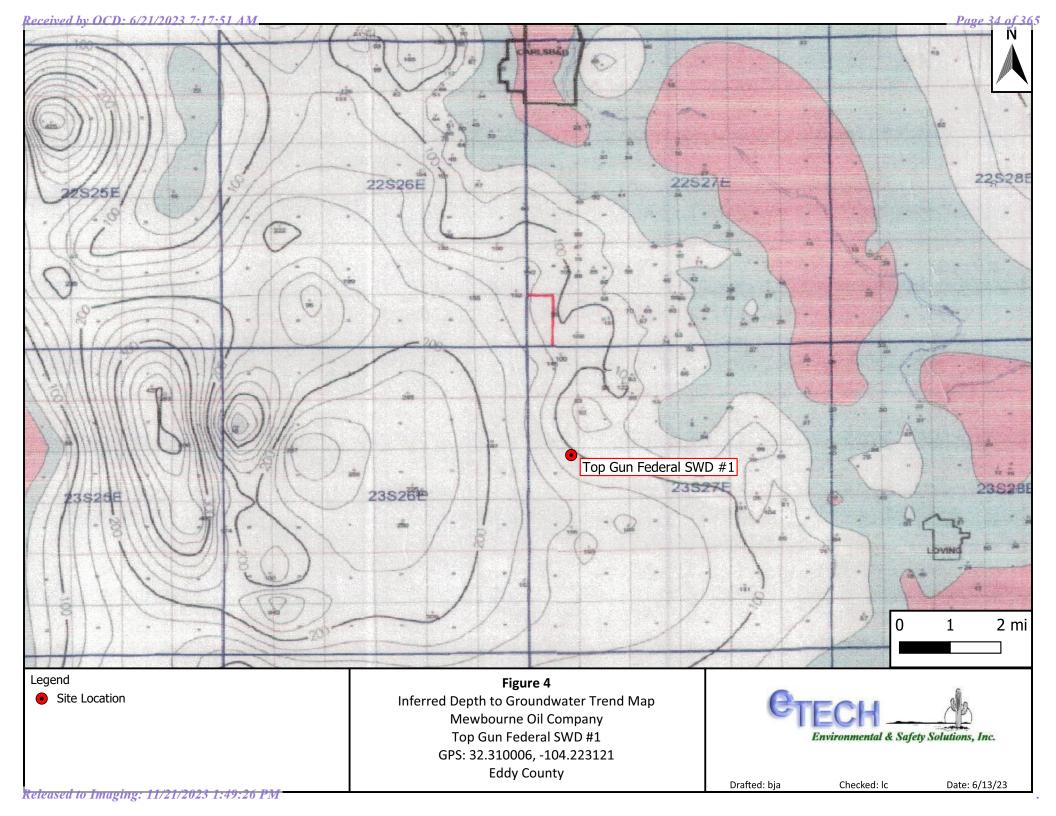
192

208

FS 131 @ 2'

FS 132 @ 2'

Appendix A Depth to Groundwater Information





New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| 5 , | / | ` | • | | | | | • , , | | , | , | , | |
|-------------------|----------|-----------|-------|-----|-------|-----|-----|--------|------------|----------|-------|-------|--------|
| | PO Su | | QQ | Q | | | | | | | Depth | Depth | Water |
| POD Number | Code bas | in County | 64 16 | 4 : | Sec ' | Tws | Rng | Χ | Υ | Distance | | - | Column |
| C 03005 | С | ED | 3 4 | 4 | 07 | 23S | 27E | 573052 | 3575384* 🌕 | 330 | 140 | 100 | 40 |
| <u>C 01618</u> | С | ED | 4 4 | 4 | 07 | 23S | 27E | 573252 | 3575384* 🌍 | 341 | 250 | | |
| C 03301 | С | ED | 3 3 | 4 | 07 | 23S | 27E | 572597 | 3575268 🌍 | 574 | 375 | | |
| C 01632 | C | ED | 3 2 | 4 | 07 | 23S | 27E | 573050 | 3575789* 🌍 | 730 | 162 | 100 | 62 |
| C 01632 CLW197648 | O C | ED | 3 2 | 4 | 07 | 23S | 27E | 573050 | 3575789* 🌍 | 730 | 162 | 100 | 62 |
| C 01632 POD2 | С | ED | 3 2 | 4 | 07 | 23S | 27E | 573050 | 3575789* 🎒 | 730 | 173 | 100 | 73 |

Average Depth to Water: 100 feet

> Minimum Depth: 100 feet

Maximum Depth: 100 feet

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 573133.37 Northing (Y): 3575063.38 Radius: 804.67

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16

Q64 Q16 Q4 Sec Tws Rng

X Y

C 03005

3 4 4 07 23S 27E

573052 3575384*

9

Driller License: 1227 **Driller Company:**

HAMMOND, JOHN B.

,

07/07/2004

Drill Finish Date:

07/31/2004

B & H DRILLING

Plug Date:

Shallow

Log File Date:

Drill Start Date:

Driller Name:

08/05/2004

PCW Rcv Date:

Source:

Shanow

Pump Type:

00/03/2004

Pipe Discharge Size:

Estimated Yield:

2 GPM

Casing Size:

6.00

Depth Well:

140 feet

Depth Water:

100 feet

Water Bearing Stratifications: Top Bottom Description

0 2 Other/Unknown

20 60 Limestone/Dolomite/Chalk
 60 100 Shale/Mudstone/Siltstone

100 120 Sandstone/Gravel/Conglomerate

Casing Perforations: Top Bottom

100 130

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POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Two

ng

Y

C 01618

Q64 Q16 Q4 Sec Tws Rng 4 4 4 07 23S 27E

573252 3575384*

9

Driller License: 604

Driller Company:

TAYLOR, W.H. SR.

Driller Name:

TAYLOR, W.H. SR.

Drill Finish Date:

10/25/1975

Plug Date:

Drill Start Date:

10/08/1975 10/31/1975

PCW Rcv Date:

0

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: Depth Well:

250 feet

Depth Water:

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

^{*}UTM location was derived from PLSS - see Help



Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

C 03301

Q64 Q16 Q4 Sec Tws Rng 07 23S 27E

572597

3575268

Driller License:

1536 **Driller Company:** VLOSICH, JOSEPH MICHAEL, JR.

Driller Name:

VLOSICH, JOSEPH M., JR.

02/03/2007

Drill Finish Date:

06/28/2008

Plug Date:

Drill Start Date: Log File Date:

07/07/2008

PCW Rcv Date:

Source:

Estimated Yield:

Pump Type: Casing Size: Pipe Discharge Size:

Depth Well:

375 feet

Depth Water:

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



Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Se

 \mathbf{X}

C 01632

Q64 Q16 Q4 Sec Tws Rng3 2 4 07 23S 27E

050 2575700*

...

Driller Company:

573050 3575789*

•

Driller License: 604

TAYLOR, W.H. SR.

Driller Name: Ta

TAYLOR, W.H. SR.

Drill Finish Date:

01/30/1976

Plug Date:

Drill Start Date: Log File Date: 11/22/1975 02/05/1976

PCW Rcv Date:

Source:

Shallow

Pump Type:

2/05/19/6

Pipe Discharge Size:

Estimated Yield:

Jiidiio W

Casing Size:

7.00 **Depth Well:**

162 feet

Depth Water:

100 feet

Water Bearing Stratifications:

Top Bottom Description

100

162 Shale/Mudstone/Siltstone

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

^{*}UTM location was derived from PLSS - see Help



Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

C 01632 CLW197648

23S 27E

573050 3575789*

Driller License: 604 **Driller Company:** TAYLOR, W.H. SR.

Driller Name: TAYLOR, W.H. SR.

7.00

Drill Start Date: 11/22/1975 **Drill Finish Date:** 01/30/1976 **Plug Date:**

Shallow

Log File Date: 02/05/1976 **PCW Rcv Date:**

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

162 feet

Depth Water:

100 feet

Water Bearing Stratifications:

Top Bottom Description

100

162 Shale/Mudstone/Siltstone

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

^{*}UTM location was derived from PLSS - see Help



Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

Q64 Q16 Q4 Sec Tws Rng

C 01632 POD2

1064

07 23S 27E 573050 3575789*

Driller License:

Driller Company:

DELFORD W. MARTIN

Driller Name: Drill Start Date: MARTIN, DELFORD

05/15/1985

Drill Finish Date:

06/05/1985

Plug Date:

Shallow

Log File Date:

06/12/1985

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

30 GPM

Casing Size:

7.00

Depth Well:

173 feet

Depth Water:

100 feet

Water Bearing Stratifications:

Top Bottom Description

105

112 Sandstone/Gravel/Conglomerate

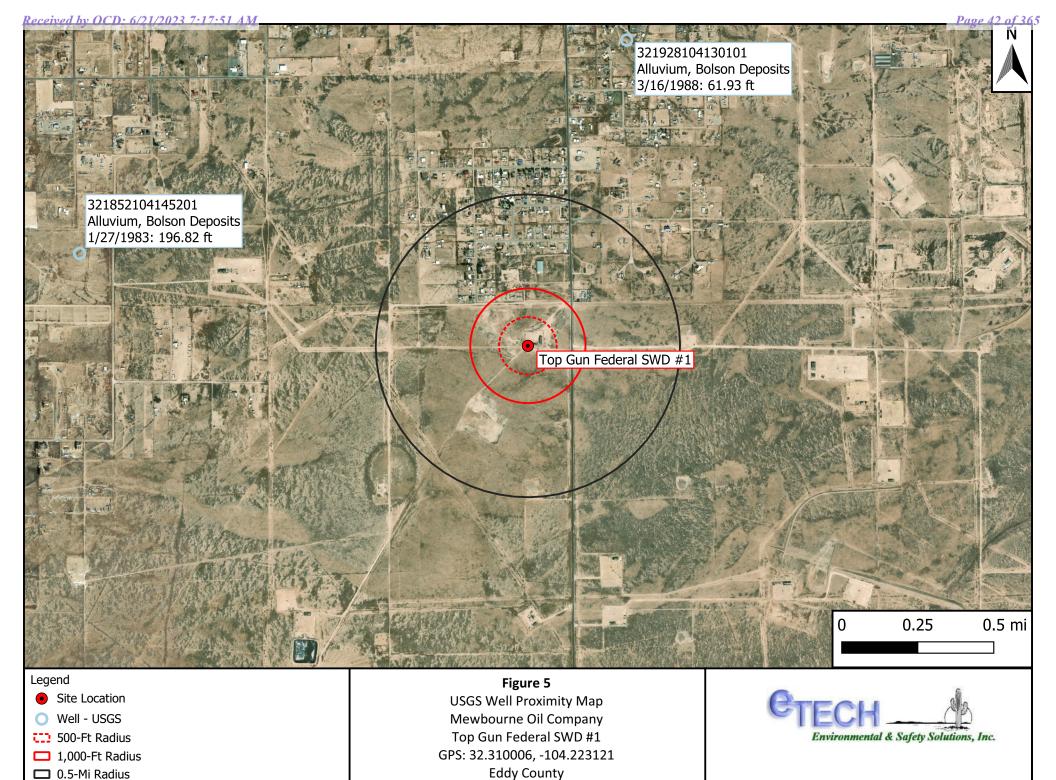
Casing Perforations:

Top **Bottom**

165 110

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

^{*}UTM location was derived from PLSS - see Help



Drafted: bja

Checked: Ic

Date: 6/13/23

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Groundwater levels for the Nation

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usas

site no list =

• 321852104145201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321852104145201 23S.26E.12.34312

Eddy County, New Mexico Latitude 32°18'52", Longitude 104°14'52" NAD27 Land-surface elevation 3,245 feet above NAVD88 The depth of the well is 270 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

| Table of data |
|--------------------|
| Tab-separated data |
| Graph of data |
| Reselect period |

| Date \$ | Time \$ | ? Water-level \$ date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above \$ specific vertical datum | Referenced vertical \$ datum | ? Status | ? Method of measurement | ? Measuring \$ agency | ? Source of measurement | ? Water- level approval status |
|------------|---------|-------------------------------------|--------------------|---|--|------------------------------|-------------|-------------------------------|-----------------------------|-------------------------|--------------------------------|
| 1051.01.05 | | | 72240 | 100 50 | | | | | | | |
| 1954-01-26 | | D | 72019 | 188.58 | | | 1 | Z | | | А |
| 1955-01-14 | | D | 72019 | 189.94 | | | 1 | Z | | | А |
| 1956-01-10 | | D | 72019 | 190.45 | | | 1 | Z | | | А |
| 1957-01-10 | | D | 72019 | 191.70 | | | 1 | Z | | | А |
| 1958-01-13 | | D | 72019 | 193.03 | | | 1 | Z | | | А |
| 1960-01-12 | | D | 72019 | 193.43 | | | 1 | Z | | | А |
| 1961-01-10 | | D | 72019 | 194.35 | | | 1 | Z | | | F |

| Date \$ | Time \$ | ? Water-level ≎ date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical \$\datum\$ | ? Status | ? Method of measurement | ? Measuring \$ agency | ? Source of measurement | ? Water- level approval status |
|------------|---------|---|---------------------|--------------------------------------|---|--------------------------------|-------------|-------------------------|-----------------------------|-------------------------|--------------------------------|
| 1962-01-19 | | D | 72019 | 191.90 | | | 1 | Z | | | А |
| 1963-01-16 | | D | 72019 | 196.03 | | | 1 | Z | | | А |
| 1964-01-16 | | D | 72019 | 197.18 | | | 1 | Z | | | А |
| 1965-01-14 | | D | 72019 | 198.75 | | | 1 | Z | | | А |
| 1966-01-11 | | D | 72019 | 199.75 | | | 1 | Z | | | А |
| 1978-01-05 | | D | 72019 | 199.70 | | | 1 | Z | | | А |
| 1983-01-27 | | D | 72019 | 196.82 | | | 1 | Z | | | А |

Explanation

| Section | Code \$ | Description |
|--------------------------------|---------|---|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | 1 | Static |
| Method of measurement | Z | Other. |
| Measuring agency | | Not determined |
| Source of measurement | | Not determined |
| Water-level approval status | Α | Approved for publication Processing and review completed. |

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Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-10-26 14:51:47 EDT

0.39 0.23 nadww01

USA.gov

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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usqs

site_no list =

• 321928104130101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321928104130101 23S.27E.08.11340

Eddy County, New Mexico

Latitude 32°19'28", Longitude 104°13'01" NAD27

Land-surface elevation 3,180 feet above NAVD88

The depth of the well is 140 feet below land surface.

This well is completed in the Other aguifers (N9999OTHER) national aguifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aguifer.

Output formats

| Tab-separated da | <u>ata</u> | | | | | | | | | | |
|------------------|------------|-----------------------------------|-----------------------------|--------------------------------------|--|--------------------------------|-------------|-------------------------|---------------------|-------------------------|---------------------------------|
| Graph of data | | | | | | | | | | | |
| Reselect period | | | | | | | | | | | |
| Date \$ | Time \$ | ? Water- level date-time accuracy | ? Parameter [‡] | Water level, feet below land surface | Water level, feet above \$pecific vertical datum | Referenced vertical \$\datum\$ | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water- level approval status |
| | | | | | | | | | | | |
| 1978-02-02 | | D | 72019 | 64.67 | | | 1 | Z | | | А |
| 1988-03-16 | | D | 72019 | 61.93 | | | 1 | Z | | | А |

Explanation

| Section \$ | Code \$ | Description |
|--------------------------------|---------|---|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | 1 | Static |
| Method of measurement | Z | Other. |
| Measuring agency | | Not determined |
| Source of measurement | | Not determined |
| Water-level approval status | Α | Approved for publication Processing and review completed. |

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URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-10-26 14:52:41 EDT

0.32 0.27 nadww01

USA.gov

Appendix B Field Data & Soil Profile Log



| Date: | | |
|-------|------|--|
| | | |

Project:

Top Gun Federal SWD #001

Project Number:

16075

Latitude:

32.310431

Longitude:

-104.22279

| Sample ID | PID/Odor | | Chloride Conc. Santicio | Chloride ConGPS |
|-------------------------------|----------|-------------|--|---|
| TT-1 Surface Sample | | 28284 | TT-8 SUFFACE SOMP | 9,2,96 |
| TT- \$1 @ 1 Ft | | 1,348 | 11-801 Ft | 3318 |
| TT-1@2F4 | | 316 | TT-8 AZFT | 1,260 |
| T-1 @ 3 Ft | | 1,348 | 77-8 @ 3Ft | 1444 |
| T-1 6 4Ft | | ND | TT-8 6 4 FT | 1.176 |
| T-1 @ 6F4 | | 280 | TT-8606F4 | 696 |
| TT-2 Surface Sample | | 1,396 | TT-9 Sutface Semple | 10,052 |
| 17-2 @ 1 Ft | | 1,260 | TT-9 60 1 F4 | 16:36 |
| 7-2 02Ft | | 756 | TT-9 632F4 | 536 |
| T-2 @ 3 Ft | | 356 | TT-9 6374 | 396 |
| 7-2 @ 4Ft | | 212 | TT-10 Sifface Sample | 15,412 |
| 17-3 Surface Samile | | 14052 | TT-10@1Ft | 988 |
| 7-3 @ 1 Ft | | 212 | TT-10 62H | 356 |
| 7-3 @ 2 Ft | | 1176 | TT-10 63F4 | 316 |
| 7-3 @ 3 Ft | | 280 | | |
| TT-4 Surface Sample | | 14,052 | | |
| 7-4 @ 1 Ft | | 588 | | |
| 7-4 @ 2Ft | | 3/6 | | |
| 7-5 @ Suiface Sample | | 5,464 | | |
| 7-5 @ 1Ft | | 5,060 | | |
| 7-5 @ 2Ft | | 1,096 | | |
| 77-5 @ 3F4 | | 2/88 | | |
| 17-5 @ 4Ft | | 2360 | 1 | |
| 7-5 @ 6Ft | | 252 | | |
| 17-5 @ 8Ft | | 356 | | |
| 7-6 Surface Sample | | 15,412 | | |
| TT-6 @ IFF | | 700 | | |
| T-6 @ 1F4 | | 320 | | |
| 7-6 @ 3Ft | | 284 | | |
| T-6 64Ft | | 536 | | |
| 7-7 Surface Sample | | 15917 | | |
| 7-7 61Ft | | 969 | | |
| 7-1 @ 2FF | | 252 | | |
| 7-1 6 3Ft | | 964 | | |
| 17-1 6 4Ft | | 400 | | |
| Sample Point = SP #1 @ ## etc | | | Test Trench = TT #1 @ ## | Resamples= SP #1 @ 5b or SW #1b |
| Floor = FL #1 etc | | | Refusal = SP #1 @ 4'-R | Stockpile = Stockpile #1 |
| Sidewall = SW #1 etc | | Soil Intend | ed to be Deferred = SP #1 @ 4' in-Situ | GPS Sample Points, Center of Comp Areas |
| | | | | |



| Date: | | |
|-------|--|--|
| | | |

Top Gun Federal SWD #1 Project:

Project Number: 16075 Latitude: 32.310006 Longitude: -104.223121

| | Sample ID | PID/Odor | Chloride Conc. | GPS |
|------------|-------------------------------|--|---|--|
| FS | 1. @) Ft | ~ | 1999 | |
| ES | 2 Q 1 Ft | | 1348 | |
| FS | 3. @ 2 Ft | | 128 | |
| FŠ | 4. 6 2Ft | _ | 356 | |
| FS | 1, 60 3 Ft | - | 1,020 | |
| FS | 2. 6. 34 | _ | 1260 | |
| F5 | 5, 60 2Ft | _ | 756 | |
| FS | 6,6 27 | - | 1.260 | |
| FS | 7.6 2Ft | - | (772 | |
| FS | 1.6 4Ft | | 880 | |
| FS | 2.60 4Ft | - | 1772 | |
| FS | 5.6 3H | | 128 | |
| FS | 6.60 3Ft | | 212 | |
| FS | 7. @ 3F | | 588 | |
| F5 | 8:60 2Ft | | 244 | |
| FS | 9. @ 2Ft | | 880 | |
| ES ES | 10, a 2 Ft | ~ | 2636 | |
| ES | 11.6 25 | | 816 | |
| FS FS | 12.60 2Ft | | 4772 | |
| | 13,0 2FT | | 186 | |
| F5 | 9.@ 3Ft | | 190 | |
| FS FS | 10:60 3Ff | | 4614 | |
| FS | 11.60 3FF | | 588 | |
| FS | 12.6 3Ff 13.6 3Ff | | 1944 | |
| FS | | | 488 | |
| F.S | 2.60 5 Ft | <u> </u> | 1,544 | |
| 15 | 19.60 JFF | _ | 120 | |
| +5 | 15.00 2 Ft | | 1/10 | |
| ES. | 100 44 | + | 8/6 | |
| <u>ES</u> | 126 4F1 106 SFT | | 588 | |
| 1-0 1-0 | | <u> </u> | 000 000 | |
| ES | 120654 | | 840 | |
| FS FS | 1 0- 2 / | - | 890 | + |
| F3 | 19 6 2 AH | | (090 | |
| - | 11001 | | | |
| F3 | Sample Point = SP #1 @ ## etc | | Test Trench = TT #1 @ ## | Resamples= SP #1 @ 5b or SW #1b |
| į | Floor = FL #1 etc | | Refusal = SP #1 @ 4'-R | Resamples= SP #1 @ 5b or SW #1b Stockpile = Stockpile #1 GPS Sample Points, Center of Comp Areas |
| 3 | Sidewall = SW #1 etc | | Soil Intended to be Deferred = SP #1 @ 4' In-Situ | GPS Sample Points, Center of Comp Areas |
| <u>s</u> | | | | |
| 34 | | | | |
| 2 | | | | |
| ₹ | | | | |



| | | Date: | |
|-----------------|-----------|------------|--|
| Project: | | | |
| Project Number: | Latitude: | Longitude: | |

| | Sample ID | PID/Odor | Chloride Conc. | GPS |
|---|--------------------------|----------|------------------------------|-----|
| FS | 16. @ 3 Ft | | 1,770 | |
| FS | 17, 60 3Ft | _ | 880 | |
| <u> 55</u> | 16. (a) 4 Ft | | 253€ | |
| c5 | 19. (a) 4Ft | _ | 1,324 | |
| F5 F5 | 18, Q 2 Ft | _ | 440 | |
| F3 | 19.6 2Ft | _ | 128 | |
| FS | 20. @ 2 Ft | _ | 200 | |
| FS | 21: @ 2 F1 22: @ 2 F1 | | ND | |
| FS | 22.00 2F1 | - | <i>360</i> | |
| =5 | 23.6 2FT | | ND | |
| - S | 24. 6 2 FF | - | 908 | |
| F5 | 25. @ 2F4 | _ | 260 | |
| E.S. | 26. 6 2F1 | - | 772 | |
| -5 | 21. @ 2Ft | _ | 648 | |
| <u> </u> | 28. 6) 2Ft | _ | 880 | |
| ર્ડ | 29: 6 2Ft | | 1,772 | |
| <u> </u> | 16.6 BH | _ | 1896 | |
| | 17,606F1 | | 1260 | , |
| 5 | 24. @ 3H | _ | 244 | |
| 5 | 26.63F4 | - | 488 | |
| 5 | 27. R. 3F1 | _ | 400 | |
| FS_ | 28. @ 3F+ | _ | 598 | |
| FS | 29. 6. 3F1 | _ | 588 | |
| 5 5 | 30. W 2F4 | | 2/2 | |
| 3 | 31. (C) 2F4 | _ | 756 | |
| -5 | J. (6) 3F1 | - | 536 | |
| 5 | 32(a) 2+4 | _ | ND | |
| <u>う</u> | 33 © 2 FF 34 © 2 FF | | 186 | |
| | 34 @ 2Ff | _ | ND | |
| 5 | 35@ 2Fr | - | 3 56 | |
| F5_ | 36,6 2Ft | - | 3 56 √6 5 2 | |
| F S S S S S S S S S S S S S S S S S S S | 366 2Ft 376 2Ft | _ | 2,630 | |
| -5_ | 36@ 3Ft | - | 1348 | |
| -5 | 376 3FT | - | 1850 | |
| 5 | 366 4F1 | _ | 2,552 | |
| -5 | 376) 481 | | 2,552 | |

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1



| | | Date. | |
|-----------------|-----------|------------|--|
| Project: | | - | |
| Project Number: | Latitude: | Longitude: | |

| | Sample ID | PID/Odor | | Chloride Conc. Sample 1D | Chloride ConGPS |
|--|-----------------------------|----------|---------|--|--|
| FS | 36 @6FF | - | 1772 | 1.663 H | Children Cole. |
| FS | 37 OGF | - | 1260 | FS 26 6% Ft | 536 |
| FS FS FS FS | 38 2 Go 2Ft | - | 5035 | FS 760 4Ft | 356 |
| F.S | 38 9 60 2Ft 39 2 60 2Ff | | 1772 | FS 106 65 Ft | 212 |
| FS | 40 2 & 2Ft | _ | 1.772 | FS 126 6 5 Ft | 40° |
| F5 | 41 & 62 2Ft | | 1,449 | FS 46 60 3 Ft | 1,096 |
| FS | 42 1 @ 2Ft | _ | 1652 | FS 476 3 FT | 1348 |
| FS | 43 1 @ 2Ft | | 1348 | FS 48@ 2 F+ | 1652 |
| FS | 40 a 3 Ft | - | 1176 | FS 49 6 2 Ft | 2,55 |
| FS | 41 @ 3Ft | | 1020 | FS 50 @ 2 Ft | 2,552 |
| FS | 42 6 3Ff | _ | 1176 | FS 51 60 2 Ft | 1,372 |
| FS | 43 @ 3Ft | _ | 1,260 | F5 52 @ 2 Ft | 1096 |
| FS | 10@ 4Ft | | (,020 | FS 52@ 3Ft | 536 |
| FS FS FS FS FS | 41 @ 4 Ft | _ | 988 | FS 516 3Ft | 1,096 |
| FS | 42@ 4F+ | - | 880 | FS 48@3 F4 | 696 |
| FS | 43@ 4 Ft | - | 880 | FS 49 & 4 FT | 696 |
| F.5 | 3860 4F4 | - | 1772 | FS 50 6 4F4 | 1260 |
| FS | 39@ 4Ft | - | 1176 | FS SI@ 4Ft | 1,652 |
| =5 | 38 Q 6FF | | 640 | FS 49 6 6Ft | 356 |
| 5 | 39 Q (Ff | _ | 756 | B 50 6 6 Ft | 316 |
| FS | 40 a 6 Ff | _ | 400 | FS SI 66F+ | 488 |
| 3 | 41 @ 6 Ft | _ | 488 | FS 41 6 4F4 | 444 |
| FS | 42@6F1 | - | 5.36 | FS 47 64F4 | |
| FS FS FS FS FS FS FS | 43 66H | _ | 444 | FS 48 0 6Ft | 180 |
| was | | | 400 | FS 52 6 2 Ft | 180 |
| wws | 2 | - | 260 | FS 53 9 @2 Ft | 128 |
| uws | ? | _ | 488 | FS 54 \$ @ 2 Ft | 1,772 |
| FS | 44 @ 2Ft | _ | 588 | FS 55 10 @ 2 Ff | (020 |
| NWS | 1 | _ | | FS 56 1 6 2 Ft | 553 |
| N W5 | 2 | | | FS 57 6 G 2F4 | 1260 |
| NUS | 3. | _ | | 13 58 Q 2 F4 | 756 |
| NW5 | 4 | _ | | FS 59 6 2F1 | 156 488 1 <mark>544</mark> |
| -S | 45 @ 2Ft | | 588 | FS 16 @ 7 F4 | |
| F5 PS | 46 @ 2Ft | | 696 | FS 17 @ 7 Ft | 1552 |
| 25 | 47 @ 2A | | 1020 | K16 6,8A | 1260 |
| | | | | F517 @ 6F4 | 1552 1260 2552 |
| Sa | mple Point = SP #1 @ ## etc | | | Test Trench = TT #1 @ ## | |
| | Floor = FL #1 etc | | | Refusal = SP #1 @ 4'-R | Stockpile = Stockpile #1 |
| | Sidewall = SW #1 etc | | Soil In | tended to be Deferred = SP #1 @ 4' In-Situ | GPS Sample Points, Center of Comp Areas |
| | | | | | Resamples= SP #1 @ 5b or SW #1b Stockpile = Stockpile #1 GPS Sample Points, Center of Comp Areas |
| | | | | | |
| | | | | | |
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| Date: | |
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| | |

| Project: | | | |
|-----------------|-----------|------------|--|
| Project Number: | Latitude: | Longitude: | |

| Sample ID PID/Odor Chloride Conc. GPS F5 14 @ 9 Ff | |
|---|--------|
| F5 17 © 9 FF - 880 F5 16 © 16 FF - 488 F5 57 © 18 FF - 180 F5 58 © 3FF - 180 F5 59 © 3FF - 180 F5 59 © 3FF - 180 F5 50 © 18F - 180 F5 60 © 18F - 189 F5 63 © 2FF - 189 F5 63 © 2FF - 186 F5 63 © 3FF - 866 F5 66 © 18F - 866 | |
| F3 1/ @ 10 F4 - 488 F3 1/ @ 10 F4 - 380 F5 54 @ 3 F4 - 180 F5 55 @ 3F4 - 400 F5 57 @ 3F4 - 180 F5 50 @ 3F4 - 400 F5 60 @ 3F4 - 400 F5 63 @ 3F4 - 816 F5 63 @ 3F4 - 816 F5 66 @ 4F4 - 356 F5 66 @ 4F4 - 588 F5 61 @ 3F4 - 588 | |
| FS 63 @ 3F4 - 356 FS 60 @ 3F4 - 360 FS 63 @ 3F4 - 948 FS 63 @ 3F4 - 948 FS 63 @ 3F4 - 366 FS 66 @ 3F4 - 356 FS 66 @ 3F4 - 356 FS 66 @ 3F4 - 558 FS 66 @ 3F4 - 558 | |
| F5 54 © 3 F4 - 180 F5 55 © 3F4 - 400 FS 28 6 4F4 - 180 FS 57 © 3F4 - 400 FS 60 © 2F4 - 1348 F5 63 © 2F4 - 866 FS 63 © 3F4 - 356 FS 60 © 4F4 - 356 FS 60 © 4F4 - 558 FS 60 © 4F4 - 558 | |
| FS 55 @ 3F4 - 400 FS 28 @ 4F4 - 180 FS 57 @ 3F4 - 400 FS 60 @ 1F4 - 1349 FS 61 @ 1F4 - 816 FS 63 @ 1F4 - 356 FS 60 @ 3F4 - 588 FS 60 @ 4F4 - 588 FS 60 @ 4F4 - 588 | |
| FS 28 69 4F4 — 180 FS 57 © 3F4 — 400 FS 60 © JF4 — 1348 FS 63 © JF4 — 816 FS 63 © JF4 — 816 FS 60 © 3F7 — 1260 FS 60 © 4F1 — 588 FS 61 © 3F4 — 588 | |
| FS 60 © JF4 - 1348 FS 63 © JF4 - 816 FS 63 © JF4 - 356 FS 60 © 3F4 - 1260 FS 60 © 4F1 - 588 FS 61 © 3F4 - 1000 | |
| FS 60 © JF4 - 1348 FS 63 © JF4 - 816 FS 63 © JF4 - 356 FS 60 © 3F4 - 1260 FS 60 © 4F1 - 588 FS 61 © 3F4 - 1000 | |
| FS 63 @ 2F4 - 816 FS 63 @ 2F4 - 816 FS 63 @ 3F4 - 1260 FS 60 @ 4F4 - 588 FS 61 @ 3F4 - 10020 | |
| F5 63 @ 2F4 - 816 F5 63 @ 2F4 - 356 F5 60 @ 3F4 - 1260 F5 61 @ 3F4 - 588 | |
| FS 63 63 JF4 - 356 FS 60 60 3F9 - 1260 FS 60 60 4F1 - 588 FS 61 60 3F4 - 100 6020 | |
| FS 60 6 3F1 - 1260 FS 60 6 4F1 - 588 FS 61 60 3F1 - 10 1020 | |
| FS 60 @ 4F1 - 588 FS 61 @ 3F4 - @ 6020 | |
| FS 61 @ 374 - 10 1020 | |
| | |
| | |
| | |
| FS 62 63 3Ft - 536 FS 61 6 5Ft - 196 | |
| | |
| FS 61 @ 6F9 - 948 | |
| =5 61 6 7ft - 816 | |
| F5 61 @ 8F1 - 1176 | |
| FS 61 @ 9Ft - 588 | |
| -FS 41 @ 9Ft - 180 | |
| FS 69 @ 2Ft - 180 | |
| FS 65 @ 2F1 - NO | |
| FS 66 @ 2Ft - 152 | |
| FS 67 @ 2Ft - NO | |
| FS 68 @ 2Ft - 152 | |
| FS 69 @ 2F4 - 316 FS 45@ 7F4 - 280 | |
| F3 45@ 7H - 280 | |
| #5 76 @ 2F1 - 356 | |
| 1-5 71 (C) 2Ft - 536 | \neg |
| #S 726 2F4 - 1176 | \neg |
| FS 736 2Ft - 588 | \neg |
| \$ THE 2F - 152 | \neg |
| 736 DFt - 588 75 M6 DFT - 152 75 750 DFT - 280 | |

Sample Point = SP #1 @ ## etc

Resamples= SP #1 @ 5b or SW #1b Stockpile = Stockpile #1

Floor = FL #1 etc

Sidewall = SW #1 etc

Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ





Date: Project: Longitude: Project Number: Latitude:

| | Sample ID | PID/Odor | Chloride Conc. | GPS |
|---|--------------------------|----------|-------------------|---------|
| E | 5 76 @ 2 Ft | | 180 | |
| E | | | 356 | |
| F | 5 78 @ 2 F1 | ~ | 356 | |
| E | | - | 1176 | |
| FS | S 80 6 2 F4 | _ | 488 | |
| F' | 5 72 6 34 | - | 316 | |
| -E | | _ | 280 | |
| F. | | _ | 5.36 | |
| F | 5 82 6 24 | | 316 | |
| F | 5 796 354 | ~ | 588 | |
| F | | ~ | 2/2 | |
| F | 5 34 @ 62H | 1 | | |
| FS FS | \$ 85 G JF+ | | 536 | |
| £ | 86 @ 2 Ft | ~ | 536 | |
| FS | 87625 | - | 1544 | |
| FS | 88 @ 2F+ | - | 444 | |
| F | 5 89 @ JFt | | 280 244 | |
| F. | | | 244 | |
| F | 9 9 @ aft | | 756 | |
| FS | | - | 536 | |
| FS | | | 316 | |
| P | | | 756 | <u></u> |
| TP. | | *** | 438 | |
| F | | - | 756 | |
| -F | | _ | 1348 | |
| F | | ~ | 244 | |
| FS | | | 356 | |
| FS | | | 696 | |
| F | 98 (a) 2Ft | _ | 588 | |
| 1. S. | 99 @ 2F1 | | 588 756 | |
| TES. | 100 @ 2Ft 5 101 @ 2Ft | | 1,00 | |
| F | 101 @ 2F4 | | 1020 | |
| 1 | 59 6 3Ft | | 244 | |
| 15000 | 108 @ 24 | | 880 880 588 | |
| 31-5 | 10) @ 2Ft | | rad | |
| 31-7 | 106 @ 2Ft | | 7/7 | |

Sample Point = SP #1 @ ## etc

Floor = FL #1 atc

Sidewall = SW #1 etc

Received by OCD:

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

Project:

Project Number:



Sample Log

| | Date: |
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| | Sample ID | PID/Odor | Chloride Conc. | GPS |
|----------------------------|--|----------|--------------------------|-----|
| FS | 94 60 4Ft | _ | 296 | |
| FS | 97 @ 3Ft | _ | 1020 | |
| FS | 98 (a) 3 Ft | _ | 296 | |
| FS | 99 @ 3 Ft | _ | 200 | |
| FS | 100 @ 3 Ff | _ | 664 | |
| FS | 101 6 3FF | - | 920 | |
| FS | 108 G 3F4 | _ | 556 | |
| FS | 107 @ 384 | - | 296 | |
| FS | 106 @ .3Ft | _ | 1,428 | |
| FS | 99 @ 4F+ | ~ | 228 | |
| FS | 100 @ 4Ft | - | 416 | |
| FS | 101 6 4Ft | _ | 416 | |
| FS | 113 @ 24 | _ | 172 | |
| F5 | 114 @ 2Ft | _ | 144 | |
| FS. | 106 @ 4Ft | | 172 | |
| FS | 125 @ 2 Ft 104 @ 2 Ft | | 5881 | |
| F3 | 104 0 2 Ft | | 588 | |
| FS | 103 6 2 FT 102 6 2 FT | - | 260 | |
| FS | | - | 756 | |
| F5 | 111 @ 2Ft | ` | 72 0 | |
| FS | 112 @ 2Ft | | 200 | |
| FS_ | 110@ 2Ft | | 724 | |
| F5 | 116 G 2H | ·- | 144 . | - |
| FS | 117 6 24 | - | 172 | |
| FS FS FS FS | 119 6 2 7 | _ | 4G0 | |
| FS_ | 119 @ 2 Ft | , | 416 | |
| FS FS FS | 120 @ 2 Ff | | 172 | |
| F5 | 171 624 | | 260 | |
| | 122 62 Ft | _ | 50% | |
| FS | 123 @ 2 Ft 124 @ 2 Ft | | 508 296 556 | |
| PS | 124 02 14 | | 556 | |
| FS | 125 6 2 Ft 126 6 2 Ft 127 6 2 Ft | 1 | 556 | |
| FS | 126 6 2 Ft 127 6 2 Ft | _ | 0.630 | |
| 13 | 127 & 2 Ft | ^ | 2532 | |
| だ で で で で で | 128 @ 2 Ft | | (328 | |
| 75 | 129 @ 27 | | 920 | |

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1





| Date. | |
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| Project: | | | |
|-----------------|-----------|------------|--|
| Project Number: | Latitude: | Longitude: | |
| | | | |

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|-------------------------------|--|---|---|
| FS low @ 3Ft | - | 296 | |
| FS 111 @ 3FF | | ાપુંધ | |
| FS 110 (0) 3A | | 144 | |
| =5 127 (a) 3 Ft | _ | 372 | |
| FS 128 @ 3Ft | _ | 128 | |
| FS 129 @ 3H | - | 1276 | |
| | | 286 | |
| 5 85 @ 3F4 5 11 @ 3F4 | Ī - | 372 | |
| 3 130 G 2A | _ | 506 | |
| 3 131 Q 2A | | ,556 | |
| S 132 60 of | | 1460 | |
| SP 1.0 Surface | _ | 1428 | |
| SP 1. 60 1FT | - | 1760 | |
| SP 11.60 2Ft | | 1528 | |
| P 11-00 3F1 | - | 1328 | |
| P 41.6 4A | - | 1152 | |
| P 81.00 5F1 | _ | 1928 DFS L @ GFt | 200 |
| SP 2 @ Sufface | - | 1880 | |
| SP 2 GO 1 Ft | - | 2533 | |
| SP 2 G 1 Ft SP 2 G 2 Ft | - | 1528 | |
| SP 2, 6, 3 Ft | - | 2533 | |
| SP 2 @4Ft | _ | 460 | |
| SP 3. @ Surface | _ | 2532 | · |
| OSP 3 Q 1. FF | _ | 2532 | |
| ISD 302, F | _ | 2532 | |
| DSP 3 @3. H | - | 2572 | |
| DSP 364. Ff | _ | 798 | |
| DSP 3@5 FF | _ | 920 | |
| DSP 3 @G. Ft | ~ | 14/6 | |
| DFS 40 SUTFACE | | 2523 | |
| DES 400 1FT | _ | 1,398 | |
| DES 460 JET | | 664 | |
| DFS 4 & 3F+ | _ | 266 | |
| DFS 5@ SUIFACE | _ | 2532 | |
| DFS 561.H | _ | 1.328 | |
| DPS 502Ft | _ | 14/20 | |
| Sample Point = SP #1 @ ## etc | The state of the s | Test Trench = TT #1 @ ## | Resamples= 5P #1 @ 5b or SW #1b |
| Floor = FL #1 etc | | Refusal = SP #1 @ 4'-R | Stockpile = Stockpile #1 |
| Sidewall = SW #1 etc | | Soil Intended to be Deferred = 5P #1 @ 4' In-Situ | GPS Sample Points, Center of Comp Areas |
| | | | |



Soil Profile

| | | | | Date: | |
|----------------|---|--|--|---|--|
| | ederal SWD #1 | | | | |
| roject Number: | 16075 | Latitude: | 32.310006 | Longitude: | -104.223121 |
| | | | | | |
| epth (ft. bgs) | | 1.1. | Des | scription | |
| 1 | - инименента на при на | | ы наполипонтинивання выпольные вы | M karanti dan dan mananan dan karantara dan karantara dan dan karantara dan dan dan dan dan dan dan dan dan da | мжээлтириний таанан анганан анган таана таан |
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| 3 | ************************************** | A. Commence of the second | olodna interessorani mataristi jalian jalian jalian tuota kerkente kasaksi kan kente | HAMINEN MENTER AT THE PROPERTY AND ANY PROPERTY SPECIAL SPECIA | ловинання пот на приняти на прин |
| 4 | | Company of the second | | DECEMBER APPENDENT METABORISM SOM PRESENCE AND PROPERTY OF THE | ээсэннэн амайын такан амайын амай |
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Received by OCD: 6/21/2023 7:17:51 AM

Appendix C Photographic Log

Photo Number:

1

Photo Direction:

West

Photo Description:

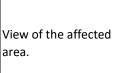




Photo Number:

2

Photo Direction:

Northwest

Photo Description:

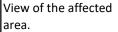




Photo Number:

3

Photo Direction:

North

Photo Description:

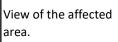




Photo Number:

4

Photo Direction:

Northeast

Photo Description:

View of the affected area.



Photo Number:

5

Photo Direction:

West

Photo Description:

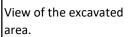




Photo Number:

6

Photo Direction:

Southwest

Photo Description:

View of the excavated area.



Photo Number:

7

Photo Direction: South-Southwest

Photo Description:



View of the excavated area.

Photo Number: 8

Photo Direction: South

Photo Description:

View of the excavated area.



Photo Number:

9

Photo Direction:

East

Photo Description:

View of the remediated area after backfilling and regrading.



Photo Number:

10

Photo Direction:

East-Southeast

Photo Description:

View of the remediated area after backfilling and regrading.



Photo Number:

11

Photo Direction:

East

Photo Description:



View of the remediated area after backfilling and regrading.

Photo Number:

12

Photo Direction:

South-Southeast

Photo Description:

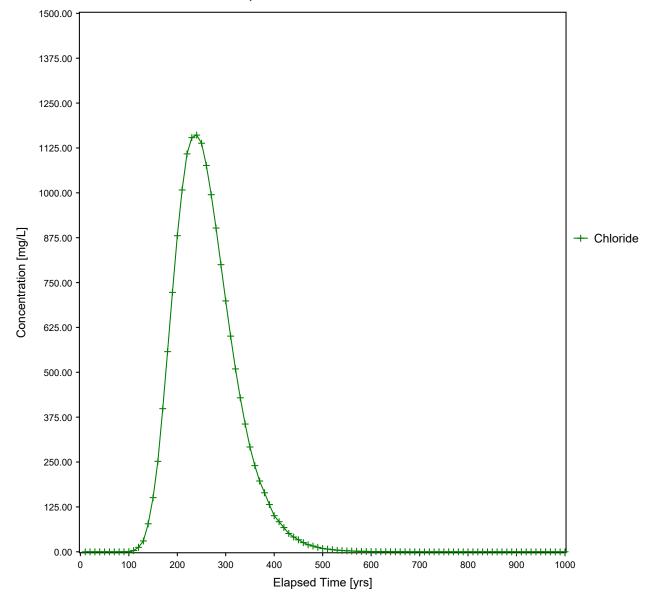
View of the remediated area after backfilling and regrading.



Appendix D Multimedia Exposure Assessment Model (MULTIMED)

Received by OCD: 6/21/2023 7:17:51 AM

Chloride Concentration At The Receptor Well Mewbourne Oil Company Top Gun Federal SWD #1



```
DATE OF CALCULATIONS: 12-JUN-2023 TIME: 20:39:50
MULTIMED V1.01
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Received by OCD: 6/21/2023 7:17:51 AM

U.S. ENVIRONMENTAL PROTECTION AGENCY

EXPOSURE ASSESSMENT

MULTIMEDIA MODEL

MULTIMED (Version 1.50, 2005)

Imaging:

REM options

Mewbourne Oil Company T Gun Federal SWD #1

Chemical simulated is Chloride

Saturated and unsaturated zone models Option Chosen

DETERMIN Run was

Infiltration Specified By User: 3.048E-02 m/yr

Run was transient

Well Times: Entered Explicitly

Reject runs if Y coordinate outside plume

Reject runs if Z coordinate outside plume

Gaussian source used in saturated zone model

UNSATURATED ZONE FLOW MODEL PARAMETERS (input parameter description and value)

| NP | _ | Total number of nodal points | 240 |
|---------|---|--------------------------------------|-----|
| NMAT | _ | Number of different porous materials | 3 |
| KPROP | _ | Van Genuchten or Brooks and Corey | 1 |
| IMSHGN | _ | Spatial discretization option | 1 |
| NVFLAYR | _ | Number of layers in flow model | 3 |

OPTIONS CHOSEN

Van Genuchten functional coefficients User defined coordinate system

Layer information

| PROPERTY | MATERIAL | THICKNESS | LAYER | NO. | LAYER |
|----------|----------|-----------|-------|-----|-------|
| | | | | | |
| 1 | | 0.47 | | | 1 |
| 1 | | 2.03 | | | 2 |
| 1 | | 26.15 | | | 3 |

DATA FOR MATERIAL 1

VADOSE ZONE MATERIAL VARIABLES

| VARIABLE NAME | UNITS DISTRIBUTION | | PARA | METERS | LIMITS | |
|----------------------------------|--------------------|----------|-------|---------------|---------------|---------------|
| | | | MEAN | STD DEV | MIN | MAX |
| Saturated hydraulic conductivity | cm/hr | CONSTANT | 3.60 | -999 . | -999 . | -999 . |
| Insaturated zone porosity | | CONSTANT | 0.250 | -999. | -999. | -999. |
| Air entry pressure head | m | CONSTANT | 0.700 | -999. | -999. | -999. |
| Depth of the unsaturated zone | m | CONSTANT | 28.6 | 0.000 | 0.000 | 0.000 |
| | | | | | | |

DATA FOR MATERIAL 1

VADOSE ZONE FUNCTION VARIABLES

| VARIABLE NAME | UNITS | DISTRIBUTION | PARAM MEAN | ETERS STD DEV | LI MIN | MITS MAX | |
|------------------------------|-------|--------------|---------------|----------------------|-----------|----------|--|
| | | | MEAN | SID DEV | IMITIN | MAA | |
| Residual water content | | CONSTANT | 0.116 | -999 . | -999. | -999. | |
| Brook and Corey exponent, EN | | CONSTANT | -999. | -999. | -999. | -999. | |
| ALFA coefficient | 1/cm | CONSTANT | 0.500E-02 | -999. | -999. | -999. | |
| Van Genuchten exponent, ENN | | CONSTANT | 1.09 | -999. | -999. | -999. | |

DATA FOR MATERIAL 2

VADOSE ZONE MATERIAL VARIABLES

| VARIABLE NAME | UNITS | DISTRIBUTION | PARA | METERS | LI | MITS | |
|----------------------------------|-------|--------------|-------|---------------|---------------|---------------|--|
| | | | MEAN | STD DEV | MIN | MAX | |
| Saturated hydraulic conductivity | cm/hr | CONSTANT | 0.140 | -999 . | -999 . | -999 . | |
| Unsaturated zone porosity | | CONSTANT | 0.120 | -999. | -999. | -999. | |
| Air entry pressure head | m | CONSTANT | 0.700 | -999. | -999. | -999. | |
| Depth of the unsaturated zone | m | CONSTANT | 28.6 | 0.000 | 0.000 | 0.000 | |

DATA FOR MATERIAL 2

VADOSE ZONE FUNCTION VARIABLES

| | | | | | | | 00 |
|------------------------|-------|--------------|-------|---------------|---------------|-------|-----|
| VARIABLE NAME | UNITS | DISTRIBUTION | PARA | AMETERS | L: | IMITS | 6 |
| | | | MEAN | STD DEV | MIN | MAX | of |
| Residual water content | | CONSTANT | 0.116 | -999 . | -999 . | -999. | 365 |

| Van Genuchten exponent, ENN | 1/cm | CONSTANT | 1.09 | -999. -999. | -999. -999. | -999. -999. | |
|--|----------------|----------------------------|-----------------------------|---------------------------|-------------------------|-------------------------|--|
| | DATA F(| OR MATERIAL 3 | | | | | |
| | VADOSE ZONF | E MATERIAL VARIABL | ES | | | | |
| | | | | | | | |
| VARIABLE NAME | UNITS | DISTRIBUTION | PARAMI MEAN | METERS STD DEV | LII MIN | IMITS MAX | |
| Saturated hydraulic conductivity Unsaturated zone porosity Air entry pressure head | cm/hr m | CONSTANT CONSTANT CONSTANT | 0.848E-03 0.150 0.700 | 3 -999. -999. -999. | -999. -999. -999. | -999. -999. -999. | |
| ± ± | | | | | | 0.000 | |

DATA FOR MATERIAL 3

VADOSE ZONE FUNCTION VARIABLES

| VARIABLE NAME | UNITS | DISTRIBUTION | PARAM | ETERS | LI | MITS |
|------------------------------|-------|--------------|-----------|---------------|---------------|---------------|
| | | | MEAN | STD DEV | MIN | MAX |
| Residual water content | | CONSTANT | 0.116 | -999 . | -999 . | -999 . |
| Brook and Corey exponent, EN | | CONSTANT | -999. | -999. | -999. | -999. |
| ALFA coefficient | 1/cm | CONSTANT | 0.500E-03 | -999. | -999. | -999. |
| Van Genuchten exponent, ENN | | CONSTANT | 1.09 | -999. | -999. | -999. |

UNSATURATED ZONE TRANSPORT MODEL PARAMETERS

| NLAY - | Number of different layers used | Τ |
|----------|--|-----|
| NTSTPS - | Number of time values concentration calc | 40 |
| DUMMY - | Not presently used | 1 |
| ISOL - | Type of scheme used in unsaturated zone | 2 |
| N - | Stehfest terms or number of increments | 18 |
| NTEL - | Points in Lagrangian interpolation | 3 |
| NGPTS - | Number of Gauss points | 104 |
| NIT - | Convolution integral segments | 2 |
| IBOUND - | Type of boundary condition | 3 |
| ITSGEN - | Time values generated or input | 1 |
| TMAX - | Max simulation time | 0.0 |
| WTFUN - | Weighting factor | 1.2 |
| | | |

OPTIONS CHOSEN

Convolution integral approach Exponentially decaying continuous source Computer generated times for computing concentrations Page 68 of 365

DATA FOR LAYER 1

| DATA FOR LAYER 1 VADOSE TRANSPORT VARIABLES | | | | | | | | |
|--|----------------------------|---|---|----------------------------------|----------------------------------|----------------------------------|------------------|--|
| VARIABLE NAME | UNITS | DISTRIBUTION | PARAMETERS MEAN STD DEV | | LIMITS MIN MAX | | 0/22 | |
| Thickness of layer Longitudinal dispersivity of layer Percent organic matter Bulk density of soil for layer Biological decay coefficient | m m g/cc 1/yr | CONSTANT DERIVED CONSTANT CONSTANT CONSTANT | 28.6 -999. 0.000 1.99 0.000 | -999. -999. -999. -999. | -999. -999. -999. -999. | -999. -999. -999. -999. | 040 / 11 / 04 04 | |

CHEMICAL SPECIFIC VARIABLES

| VARIABLE NAME | UNITS | DISTRIBUTION | PARAMETERS | | LI | MITS |
|---|----------|--------------|---------------|---------------|---------------|---------------|
| | | | MEAN | STD DEV | MIN | MAX |
| Solid phase decay coefficient | 1/yr | DERIVED | -999 . | -999 . | -999 . | -999 . |
| Dissolved phase decay coefficient | 1/yr | DERIVED | -999. | -999. | -999. | -999. |
| Overall chemical decay coefficient | 1/yr | DERIVED | -999. | -999. | -999. | -999. |
| Acid catalyzed hydrolysis rate | l/M-yr | CONSTANT | 0.000 | -999. | -999. | -999. |
| Neutral hydrolysis rate constant | 1/yr | CONSTANT | 0.000 | -999. | -999. | -999. |
| Base catalyzed hydrolysis rate | l/M-yr | CONSTANT | 0.000 | -999. | -999. | -999. |
| Reference temperature | С | CONSTANT | 25.0 | -999. | -999. | -999. |
| Normalized distribution coefficient | ml/g | CONSTANT | 0.000 | -999. | -999. | -999. |
| Distribution coefficient | | DERIVED | -999. | -999. | -999. | -999. |
| Biodegradation coefficient (sat. zone) | 1/yr | CONSTANT | 0.000 | -999. | -999. | -999. |
| Air diffusion coefficient | cm2/s | CONSTANT | -999. | -999. | -999. | -999. |
| Reference temperature for air diffusion | С | CONSTANT | -999. | -999. | -999. | -999. |
| Molecular weight | g/M | CONSTANT | -999. | -999. | -999. | -999. |
| Mole fraction of solute | | CONSTANT | -999. | -999. | -999. | -999. |
| Vapor pressure of solute | mm Hg | CONSTANT | -999. | -999. | -999. | -999. |
| Henry`s law constant a | tm-m^3/M | CONSTANT | -999. | -999. | -999. | -999. |
| Overall 1st order decay sat. zone | 1/yr | DERIVED | 0.000 | 0.000 | 0.000 | 1.00 |
| Not currently used | _ | CONSTANT | 0.000 | 0.000 | 0.000 | 0.000 |
| Not currently used | | CONSTANT | 0.000 | 0.000 | 0.000 | 0.000 |

SOURCE SPECIFIC VARIABLES

| VARIABLE NAME | UNITS DISTRIBUTION | | PARAME | ETERS | LIMITS | | |
|------------------------------|--------------------|----------|-----------|---------------|---------------|---------------|--|
| | | | MEAN | STD DEV | MIN | MAX | |
| Infiltration rate | m/yr | CONSTANT | 0.305E-01 | -999 . | -999 . | -999 . | |
| Area of waste disposal unit | m^2 | CONSTANT | 0.117E+04 | -999. | -999. | -999. | |
| Duration of pulse | Уr | DERIVED | 0.100E-08 | | -999. | -999. | |
| Spread of contaminant source | m | DERIVED | -999. | -999. | -999. | -999. | |

| Recharge rate | m/yr | CONSTANT | 0.000 | -999. | -999. | -999. |
|-----------------------------------|------|----------|----------|---------|-------|-------|
| Source decay constant | 1/yr | CONSTANT | 0.250E-0 | 1 0.000 | 0.000 | 0.000 |
| Initial concentration at landfill | mg/l | CONSTANT | 0.717E+0 | 4 -999. | -999. | -999. |
| Length scale of facility | m | DERIVED | -999. | -999. | -999. | -999. |
| Width scale of facility | m | DERIVED | -999. | -999. | -999. | -999. |
| Near field dilution | | DERIVED | 1.00 | 0.000 | 0.000 | 1.00 |

AQUIFER SPECIFIC VARIABLES

| Source decay constant Initial concentration at landfill Length scale of facility Width scale of facility Near field dilution | 1/yr mg/l m m | CONSTANT CONSTANT DERIVED DERIVED DERIVED | 0.250E-01 0.717E+04 -999. -999. 1.00 | -999. -999. -999. | -999. | -999. -999. | Received by OCD: |
|--|------------------------|---|--|-------------------------|-------|----------------|------------------|
| | AQUIFE | R SPECIFIC VARIABLE: | S | | | | OCD: |
| VARIABLE NAME | UNITS | DISTRIBUTION | PARAM PARAM | ETERS STD DEV | | MITS MAX | 6/21/2023 |
| Particle diameter | | CONSTANT | -999. | | | -999. | |
| Aquifer porosity | | CONSTANT | 0.300 | -999. | | | 7:51 |
| Bulk density | g/cc | CONSTANT | 1.86 | -999. | -999. | | 1 |
| Aquifer thickness | m | CONSTANT | | | | | AM |
| Source thickness (mixing zone depth) | m | DERIVED | | | | | |
| Conductivity (hydraulic) | m/yr | CONSTANT | 315. | -999. | -999. | | |
| Gradient (hydraulic) | . 4 | CONSTANT | 0.300E-02 | -999. | -999. | | |
| Groundwater seepage velocity | m/yr | DERIVED | -999. | -999. | -999. | | |
| Retardation coefficient | | DERIVED | -999. | -999. | -999. | -999. | |
| Longitudinal dispersivity | m | FUNCTION OF X | | -999. | | | |
| Transverse dispersivity | m | FUNCTION OF X | -999. | -999. | -999. | -999. | |
| Vertical dispersivity | m | FUNCTION OF X | -999. | -999. | -999. | -999. | |
| Temperature of aquifer | С | CONSTANT | 20.0 | -999. | -999. | -999. | |
| рН | | CONSTANT | 7.00 | -999. | -999. | -999. | |
| Organic carbon content (fraction) | | CONSTANT | 0.000 | -999. | -999. | -999. | |
| Well distance from site | m | CONSTANT | 1.00 | -999. | -999. | -999. | |
| Angle off center | degree | CONSTANT | 0.000 | -999. | -999. | -999. | |
| Well vertical distance | m | CONSTANT | 0.000 | -999. | -999. | -999. | |

| TIME | CONCENTRATION |
|----------|---------------|
| | |
| 0.100E+0 | 2 0.00000E+00 |
| 0.200E+0 | 2 0.00000E+00 |
| 0.300E+0 | 2 0.00000E+00 |
| 0.400E+0 | 2 0.00000E+00 |
| 0.500E+0 | 2 0.00000E+00 |
| 0.600E+0 | 2 0.00000E+00 |
| 0.700E+0 | |
| 0.800E+0 | 2 0.00000E+00 |
| 0.900E+0 | 2 0.11154E+00 |
| 0.100E+0 | |
| 0.110E+0 | |
| 0.120E+0 | |
| 0.130E+0 | |
| 0.140E+0 | |
| 0.150E+0 | |
| | |
| 0.160E+0 | |
| 0.170E+0 | |
| 0.180E+0 | 3 0.55749E+03 |
| 0.190E+0 | 3 0.72271E+03 |

```
0.200E+03 0.88048E+03
0.210E+03 0.10080E+04
0.220E+03 0.11084E+04
0.230E+03 0.11537E+04
0.240E+03 0.11608E+04
0.250E+03 0.11381E+04
0.260E+03 0.10762E+04
0.270E+03 0.99472E+03
0.280E+03 0.90182E+03
0.290E+03 0.79988E+03
0.300E+03 0.69887E+03
0.310E+03 0.60085E+03
0.320E+03 0.50941E+03
0.330E+03 0.42892E+03
0.340E+03 0.35586E+03
0.350E+03 0.29198E+03
0.360E+03 0.24007E+03
0.370E+03 0.19713E+03
0.380E+03 0.16438E+03
0.390E+03 0.13164E+03
0.400E+03 0.10054E+03
0.410E+03 0.83874E+02
0.420E+03 0.67460E+02
0.430E+03 0.51047E+02
0.440E+03 0.41117E+02
0.450E+03 0.33374E+02
0.460E+03 0.25632E+02
0.470E+03 0.19619E+02
0.480E+03 0.16097E+02
0.490E+03 0.12575E+02
0.500E+03 0.92274E+01
0.510E+03 0.76237E+01
0.520E+03 0.60551E+01
0.530E+03 0.44864E+01
0.540E+03 0.35619E+01
0.550E+03 0.28716E+01
0.560E+03 0.21813E+01
0.570E+03 0.16445E+01
0.580E+03 0.13427E+01
0.590E+03 0.10409E+01
0.600E+03 0.75270E+00
0.610E+03 0.61739E+00
0.620E+03 0.48591E+00
0.630E+03 0.35443E+00
0.640E+03 0.27638E+00
0.650E+03 0.21920E+00
0.660E+03 0.16202E+00
0.670E+03 0.11717E+00
0.680E+03 0.92327E-01
0.690E+03 0.67486E-01
0.700E+03 0.43597E-01
0.710E+03 0.32461E-01
0.720E+03 0.21673E-01
0.730E+03 0.10886E-01
0.740E+03 0.44005E-02
0.750E+03 0.00000E+00
```

Received by OCD: 6/21/2023 7:17:51 AM

0.760E+03 0.00000E+00 0.770E+03 0.00000E+00 0.780E+03 0.00000E+00 0.790E+03 0.00000E+00 0.800E+03 0.00000E+00 0.810E+03 0.00000E+00 0.820E+03 0.00000E+00 0.830E+03 0.00000E+00 0.840E+03 0.00000E+00 0.850E+03 0.00000E+00 0.860E+03 0.00000E+00 0.870E+03 0.00000E+00 0.880E+03 0.00000E+00 0.890E+03 0.00000E+00 0.900E+03 0.00000E+00 0.910E+03 0.00000E+00 0.920E+03 0.00000E+00 0.930E+03 0.00000E+00 0.940E+03 0.00000E+00 0.950E+03 0.00000E+00 0.960E+03 0.00000E+00 0.970E+03 0.00000E+00 0.980E+03 0.00000E+00 0.990E+03 0.00000E+00

0.100E+04 0.00000E+00

Appendix E Laboratory Analytical Reports



July 28, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 07/22/22 16:55.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: NONE GIVEN

Project Location: MEWBOURNE

Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 10 SURFACE SAMPLE (H223238-01)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12400 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 193 | 96.5 | 200 | 25.9 | |
| DRO >C10-C28* | 98.7 | 10.0 | 07/26/2022 | ND | 165 | 82.4 | 200 | 25.7 | |
| EXT DRO >C28-C36 | 78.1 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.3 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.4 | % 42.5-16 | 1 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/22/2022 Sampling Date: 07/22/2022

Reported: 07/28/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **MEWBOURNE**

Sample ID: TT - 10 @ 3' (H223238-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 193 | 96.5 | 200 | 25.9 | |
| DRO >C10-C28* | 11.6 | 10.0 | 07/26/2022 | ND | 165 | 82.4 | 200 | 25.7 | |
| EXT DRO >C28-C36 | 12.1 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 9 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | % 42.5-16 | 1 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/22/2022 Sampling Date: 07/22/2022

Reported: 07/28/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE

mg/kg

Sample ID: TT - 1 @ 2' (H223238-03)

BTEX 8021B

| DILX GOZID | ıııg, | ng . | Andryzo | a by. 511/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 193 | 96.5 | 200 | 25.9 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 165 | 82.4 | 200 | 25.7 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.7 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.3 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: NONE GIVEN Project Location: **MEWBOURNE** Sampling Date:

07/22/2022

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: TT - 2 @ 2' (H223238-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 832 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 74.0 9 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.0 9 | % 42.5-16 | 1 | | | | | | |

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Celey D. Keine



Cool & Intact

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 07/22/2022 Reported:

Sampling Date: 07/22/2022 07/28/2022 Sampling Type: Soil

Sampling Condition:

Project Name: TOP GUN FEDERAL SWD 1 NONE GIVEN

ma/ka

Project Number: Sample Received By: Tamara Oldaker Project Location: **MEWBOURNE**

Sample ID: TT - 3 @ 2' (H223238-05)

RTFY 8021R

| BIEX 8021B | mg, | ^и кд | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | < 0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | < 0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 62.4 | % 43-149 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 67.6 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

mg/kg

Project Name: TOP GUN FED
Project Number: NONE GIVEN

Project Location: MEWBOURNE

Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 4 @ 2' (H223238-06)

BTEX 8021B

| DILX GOZID | ıııg, | ng . | Andryzo | a by. 511/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 70.0 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.8 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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07/22/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Sampling Date: Reported: 07/28/2022 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: TT - 5 @ 2' (H223238-07)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1060 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.4 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.1 | % 42.5-16 | 1 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

07/22/2022Sampling Date:07/22/202207/28/2022Sampling Type:SoilTOP GUN FEDERAL SWD 1Sampling Condition:Cool & Intact

Sample Received By:

Project Name: TOP GUN FEDER
Project Number: NONE GIVEN

Project Location: MEWBOURNE

Sample ID: TT - 6 @ 2' (H223238-08)

| BTEX 8021B | mg | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 71.2 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.6 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Cool & Intact

Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

 07/22/2022
 Sampling Date:
 07/22/2022

 07/28/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition:
Project Number: NONE GIVEN Sample Received By:

Project Location: MEWBOURNE

Sample ID: TT - 7 @ 2' (H223238-09)

| BTEX 8021B | mg | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 65.8 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 71.4 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/22/2022 Sampling Date: 07/22/2022

Reported: 07/28/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **MEWBOURNE**

Sample ID: TT - 8 @ 2' (H223238-10)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1300 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.6 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.2 | % 42.5-16 | 1 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 07/22/2022 Reported: 07/28/2022 Sampling Date:
Sampling Type:

07/22/2022 Soil

Project Name: Project Number: TOP GUN FEDERAL SWD 1

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

RTFY 8021R

NONE GIVEN MEWBOURNE

ma/ka

Sample ID: TT - 5 @ 6' (H223238-11)

| BIEX 8021B | mg | /кд | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 66.9 | % 43-149 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 72.4 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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07/22/2022

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

07/28/2022 Sampling Type: Soil

Sampling Date:

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: TT - 6 SURFACE SAMPLE (H223238-12)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16100 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 53.7 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 58.1 | % 42.5-16 | 71 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: NONE GIVEN Project Location: **MEWBOURNE** Sampling Date:

Sample Received By:

07/22/2022

Sampling Type: Soil Sampling Condition:

Cool & Intact Tamara Oldaker

Sample ID: TT - 6 @ 2' (H223238-13)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 66.8 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 71.7 | % 42.5-16 | 1 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/22/2022 Sampling Date: 07/22/2022

Reported: 07/28/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: TT - 7 SURFACE SAMPLE (H223238-14)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.4 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 20800 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 62.9 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 68.2 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



07/22/2022

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported:

Sampling Date: 07/28/2022 Sampling Type: Sampling Condition:

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1 Project Number: NONE GIVEN

Project Location: **MEWBOURNE**

Sample ID: TT - 7 @ 4' (H223238-15)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.8 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.2 | % 42.5-16 | 1 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 07/22/2022
 Sampling Date:
 07/22/2022

 Reported:
 07/28/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE

Sample ID: TT - 8 SURFACE SAMPLE (H223238-16)

mg/kg

BTEX 8021B

| | 91 | 9 | 7 | 1 1 , | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.5 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 13200 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 77.3 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.0 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: NONE GIVEN

Project Location: **MEWBOURNE** Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: TT - 8 @ 4' (H223238-17)

| BTEX 8021B | mg/ | kg | Analyzed By: JH/ | | | | | | |
|--------------------------------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1340 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.0 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.1 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022 Sampling Date: 07/22/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: NONE GIVEN

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: TT - 8 @ 6' REFUSAL (H223238-18)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.8 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.8 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: NONE GIVEN **MEWBOURNE**

Project Location:

Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: TT - 9 SURFACE SAMPLE (H223238-19)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 14000 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.6 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.8 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Cool & Intact

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

Sampling Date: 07/22/2022 Sampling Type: Soil

Sampling Condition:

Project Name: TOP GUN FEDERAL SWD 1 Project Number:

NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: TT - 9 @ 3' (H223238-20)

| 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 | 07/26/2022 | ND | 2.12 | 106 | 2.00 | 3.17 | |
| Toluene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.19 | 109 | 2.00 | 2.71 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/26/2022 | ND | 2.20 | 110 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 07/26/2022 | ND | 6.70 | 112 | 6.00 | 3.50 | |
| Total BTEX | <0.300 | 0.300 | 07/26/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.0 9 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.2 9 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

Project Name:

TOP GUN FEDERAL SWD 1

Project Number: NONE GIVEN
Project Location: MEWBOURNE

Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 1 SURFACE SAMPLE (H223238-21)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | QR-03 |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | QR-03 |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | 0.300 | 07/27/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 86400 | 16.0 | 07/27/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.6 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.5 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/22/2022 Sampling Date: 07/22/2022

Reported: 07/28/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE

mg/kg

Sample ID: TT - 1 @ 4' (H223238-22)

BTEX 8021B

| DILX GOZID | ıııg, | ng . | Andryzo | a by. 511/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | 0.300 | 07/27/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.5 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.9 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.9 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: NONE GIVEN Project Location: **MEWBOURNE** Sampling Date: 07/22/2022

Sampling Type: Soil Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: TT - 2 SURFACE SAMPLE (H223238-23)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | 0.300 | 07/27/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1760 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 178 | 88.9 | 200 | 4.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 186 | 92.9 | 200 | 3.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 71.8 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.0 | % 42.5-16 | 1 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 07/22/2022 Reported:

Sampling Date: 07/22/2022 07/28/2022 Sampling Type: Soil Sampling Condition: Cool & Intact

Project Name: TOP GUN FEDERAL SWD 1 Project Number: NONE GIVEN

ma/ka

Sample Received By: Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: TT - 2 @ 3' (H223238-24)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | a By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | 0.300 | 07/27/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 208 | 104 | 200 | 4.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 213 | 106 | 200 | 6.60 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.8 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.5 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported:

Sampling Date: 07/22/2022 07/28/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: TT - 3 SURFACE SAMPLE (H223238-25)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--|------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | <0.150 0.150 | | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | <0.300 0.300 | | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID 102 % | | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12800 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 208 | 104 | 200 | 4.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 213 | 106 | 200 | 6.60 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | tane 72.5 % 43-14 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 65.9 | % 42.5-16 | 1 | | | | | | |

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07/22/2022

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

07/28/2022 Sampling Type: Soil
TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact

Project Name: TOP GUN FEDER
Project Number: NONE GIVEN
Project Location: MEWBOURNE

Sample Received By: Tamara Oldaker

Sampling Date:

Sample ID: TT - 3 @ 3' (H223238-26)

| BTEX 8021B | mg | /kg | Analyze | d By: JH/ | | | | | |
|--|------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | 0.300 | 07/27/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID 102 % 69.9-14 | | 0 | | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 208 | 104 | 200 | 4.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 213 | 106 | 200 | 6.60 | |
| EXT DRO >C28-C36 | RO >C28-C36 <10.0 10.0 | | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.7 % 43-149 | |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.7 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: NONE GIVEN Project Location: **MEWBOURNE** Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: TT - 4 SURFACE SAMPLE (H223238-27)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | 0.075 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | <0.150 0.150 | | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | 0.300 | 07/27/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 13600 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 208 | 104 | 200 | 4.81 | |
| DRO >C10-C28* | 159 | 10.0 | 07/26/2022 | ND | 213 | 106 | 200 | 6.60 | |
| EXT DRO >C28-C36 | 125 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.4 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.2 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

Project Number: NONE GIVEN Project Location: **MEWBOURNE** Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: TT - 4 @ 2' (H223238-28)

Project Name:

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--|---------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | <0.300 0.300 | | ND | | | | | |
| furrogate: 4-Bromofluorobenzene (PID 100 % 69.9-1- | | 0 | | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 208 | 104 | 200 | 4.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 213 | 106 | 200 | 6.60 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.3 % 43-149 | | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.6 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP GUN FED
Project Number: NONE GIVEN
Project Location: MEWBOURNE

Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 5 SURFACE SAMPLE (H223238-29)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--|------------------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | < 0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | 0.300 | 07/27/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID 101 % 69.9- | | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5280 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 208 | 104 | 200 | 4.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 213 | 106 | 200 | 6.60 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | ogate: 1-Chlorooctane 81.7 % 43-1- | |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.1 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 07/22/2022 Reported: 07/28/2022

TOP GUN FEDERAL SWD 1

mg/kg

Project Name: TOP GUN FED Project Number: NONE GIVEN

Project Location: MEWBOURNE

Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 5 @ 4' (H223238-30)

BTEX 8021B

| DILX GOZID | iiig/ | , kg | Andryzo | a by. 511/ | | | | | |
|--------------------------------------|---|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | 0.300 | 07/27/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | rate: 4-Bromofluorobenzene (PID 100 % 69.9-14 | | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5920 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 208 | 104 | 200 | 4.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 213 | 106 | 200 | 6.60 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.0 % 43-149 | | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.9 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported: 07/28/2022 Sampling Date: 07/22/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: NONE GIVEN

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: TT - 9 @ 2' (H223238-31)

| BTEX 8021B | mg, | 'kg | Analyze | d By: JH/ | | | | | |
|---|--------------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | 0.300 | 07/27/2022 | ND | | | | | |
| urrogate: 4-Bromofluorobenzene (PID 102 % 69.9-14 | | 0 | | | | | | | |
| Chloride, SM4500CI-B | mg, | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 208 | 104 | 200 | 4.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 213 | 106 | 200 | 6.60 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 2: 1-Chlorooctane 82.1 % 43-14 | |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.6 | % 42.5-16 | 1 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/22/2022 Reported:

07/28/2022 TOP GUN FEDERAL SWD 1

Project Name: Project Number: NONE GIVEN

Project Location: **MEWBOURNE** Sampling Date: 07/22/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: TT - 10 @ 2' (H223238-32)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|---|---------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.10 | 105 | 2.00 | | |
| Toluene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.12 | 106 | 2.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/27/2022 | ND | 2.17 | 108 | 2.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/27/2022 | ND | 6.64 | 111 | 6.00 | | |
| Total BTEX | <0.300 | <0.300 0.300 | | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID 98.9 % 69.9-1- | | 0 | | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 07/27/2022 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/26/2022 | ND | 208 | 104 | 200 | 4.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/26/2022 | ND | 213 | 106 | 200 | 6.60 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.3 % 43-149 | | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.0 | % 42.5-16 | 1 | | | | | | |

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Celey D. Keene



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 |

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

Analyte NOT DETECTED at or above the reporting limit ND

Relative Percent Difference RPD

QR-04

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

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

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

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Celeg D. Freene

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES

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

| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | | T | | | BI | LL | LTO | | | | | | AN | LYS | IS I | REQ | UES | T | _ | | | | |
|--|---|-------------------|--------------|-------------|-------------|-------|-------------------|---------------------|------------|------------|--|------|--|---------------------------------------|---|-------------|-------------|--------------|-----|--------|----|---|---|--|--|---|
| Project Manage | Tance Crenshaw | | | | | | | P. | 0.1 | R: | | | | | | | | | | T | T | T | T | | | T |
| Address: P.O | . Box 301 | | | | | | | C | omp | an | y: 7 | m. | euba | me | 1 | | | | | | | | | | | |
| City: Lovingto | on State: NM | Zip | : 88 | 260 | | | | Attn: Robbie Ruands | | | | 15 | | | | | | | | | | | | | | |
| Phone #: (57 | 5) 396-2378 Fax #: (575) 3 | 96-1 | 429 |) | | | | Address: | | | | | 1 | | | | | | | | | | | | | |
| Project #: | Project Owne | r: | | | | | | City: | | | | 1 | | | | | | | | | | | | | | |
| Project Name: 7 | TOP Gun Federal Swol. | | | | | | | | ate: | | | Zi | o: | | | € W | T T | | | | | | | | | |
| Project Location | | | | | | | | + | non | | • | | | | Chloride | TPH (8015M) | TEX (8024E) | | | | | | | | | |
| Sampler Name: | | | | | | - | | | IX # | | - | | | | Ĕ | H | × | | | | | | | | | |
| FOR LAB USE ONLY | Addition | 1 | | | M | ATR | X | 1 | _ | _ | ERV. | | SAMPLI | NG | 1 | T | E | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | 100 | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | | DATE | TIME | | | | | | | | | | | | |
| 1 | TT-10 Surve Sample | | X | | | X | T | | T | | | 7 | -22-22 | | X | X | X | | | | | | | | | |
| 2 | TT-10 @ 3Ft | | X | |) | < | | | | | | | 1 | | X | X | X | | | | | | | | | |
| 3 | TT-16 2Ft | | X | |) | 1 | | | | | | | | | X | X | X | | | | | | | | | |
| 4 | TT-2 6 2Ft | | × | | | X | | | | | | | | | X | X | X | | | | | | | | | |
| 5 | 77-3 @ 2FF | | X | |) | (| | | | | | | | | X | X | X | | | | | | | | | |
| 6 | TT-4 @ 2Ft | | × | |) | X | | | | | | | | | X | X | × | | | | | | | | | |
| 7 | 77-5 02H | | X | | | X | | | | | | | | | X | X | X | | | | | | | | | |
| 8 | 77-6 @ 2H | | × | | 3 | 1 | | | | | | | | | X | X | × | | | | | | | | | |
| 9 | 77-7 6) 2A | | X | |) | | | | | | | | 11/ | | X | X | × | | | | | | | | | |
| 10 | TT-86024 | | X | | _ | 1 | | | | | | | | | X | × | X | | | | | | | | | |
| enelyses. All claims include service. In no essent shall Conflictes or successors and Relinquished By Soron Aug. Relinquished By Relinquished By | Time: | Re | cei | ved I | whether By: | in Co | priore a clair | tion | | CH | edical viscosi propositi di pro | ED. | 30 days after incurred by a over stained re- | completion of t lest, its subsidia | to applicat ster, so. scuff: R: S: | □ Ye | 16 | □ No □ No | Add | I Phon | k. | | | | | |
| Sampler- UPS | (Circle One) 4.2° C-0 - Bus - Other: 3.6° | 4/1 | 3 | | Ye | Int | Ye N | is lo | | V | (Init | lais | 1) | | | | | | | | | | | | | |

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RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 36 of 38

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

| Company Name | | ions | , In | Ç. | | | | | | | | 81 | LL | TO | | | | | | | | ANA | LY | SIS | S F | REC | QUE | ST | | | - | _ |
|------------------------------|----------------------------------|------------------|------------------------------------|-------------|------------|-----------|-------------------|-----------------------------------|----------|-----------------|----------------|-----------|--------------------|----------------------|--------------------------------------|---------------------------------------|---|-------------|--------------|------|----------|--------|-----|-----|-----|-----|-----|----|---|---|--------------|---|
| Project Manage | r. Jance Crenshow | | | | | | | | P.O | . #: | | | | | | | T | | | | | | T | | | T | | | T | | T | |
| Address: P.C | D. Box 301 | | | | | | | | | | | | | Whou | | | | | | | | | | | | | | | | | | |
| City: Lovingto | on State: NM | Zip | : 88 | 260 |) | | | | Attr | u / | C | 351 | ic | Run | nels | | | | | | | | | | | | | | | | | |
| Phone #: (57 | 5) 396-2378 Fax #: (575) 3 | 96-1 | 429 |) | | | | - 1 | Add | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: | Project Owner | | | | | | | | City | r: | | | | | | | | _ | - | | | | | | | | | | | | | |
| Project Name: 7 | TOP Gun Federal Swo | 1. | | | | | | | Stai | te: | | | Zip | 2 | | 2 | | SM. | 21B | | | | | | | | | | | | | |
| Project Location | n: | | | | | | | | Pho | me | #: | | | | | Chloride | | 801 | (80 | | | | | | | | | | | | | |
| Sampler Name: | Amon Rios | _ | _ | | | | | | Fax | ø: | | | | | | 5 | | TPH (8015M) | BTEX (8021B) | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | _ | 1 | MATE | REX | | | PRE | SE | RV. | 80 | SAMPLI | NG | | | F | 0 | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | 0 | DATE | TIME | | | | | | | | | | | | | | | | | |
| 11 | 77-5 @ 6FT | | X | | | X | | | | | | | 7- | 22-22 | | X | | X | X | | | | | | | | | | | | | |
| 12 | TT-6 Surface Sample TT-6 @ 2A | | X | | | X | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | |
| 13 | TTG @ 2A | | X | | | X | | | | | | | | | | 1 | 1 | | | _ | | | | | | 1 | | | | | | |
| 14 | 77-7 Surface Sample | | X | _ | - | X | - | 4 | 4 | | | 4 | | | | ++ | + | \perp | Ц | + | | | + | | | + | | _ | _ | | | |
| 15 | 77-7 8 4FH | - | X | - | - | X | - | + | \dashv | - | _ | \dashv | _ | - | | + | + | + | \Box | + | | | + | _ | _ | + | | - | + | + | - | |
| 14 | TT-8 Surface Sample | | x X | \vdash | - | X | - | + | - | | | - | _ | 1 | | + | + | + | H | + | \dashv | | + | | _ | + | | - | + | + | - | |
| 18 | 77-8 0 4Ft TT-8 0 GREFUSOL | | Ŷ | \vdash | | X | - | + | + | - | | \exists | _ | | | + | + | + | + | + | | | + | | | + | | - | + | + | \vdash | _ |
| 19 | TT-9 Surface Sample | | X | | | × | 1 | + | 1 | | | | 1 | 1, | | 11 | 1 | | + | + | | - | + | | | + | | | + | + | - | |
| 20 | 77-9 65 3Ft | | X | | | X | | 1 | 1 | | | | _ | 7 | | 10 | 1 | U | V | 4 | | | + | | | + | | | + | + | | |
| analyses. All cisims include | 7-22-22 Time; 655 | Re | d wai d lind I, rega ICBI | ved | By: | ar | ruption solv d | y april o nas, for lajen is | es of a | od by see, o | Card r loos | inal w | ilhin 3 oile in | surred by control of | r completion of Soci, its subsidi | the application, who. esuft: aft: (S: | | Yes | 8 | □ No | | Add" | Fax | #: | | | | | | | | |
| | : (Circle One) 4, 2°) C-C | D. 6 | è 6 | | Con | Yes No | Mac | 1 | | | | Initi | | BY: | | -117410 | | | | | , 610 | J. 101 | | | • | | | | | | | |

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| Company Name | | ions | , In | C. | | | | | | B | 1L | L TO | | | | | | | AN | AL | 181 | SR | EQI | UES | T | | | | |
|--|--|------------------|--------------|-------------|-----------|---------|-----------|----------|-----------|------------|--------|-------------------|---|------------------|------|-------------|--------------|------|-------|-------|-----|----|-----|-----|---|---|---|---|--|
| Project Manage | "Lonce Crenshaw | | | | | | | 2.0. | | | | | | | T | | | | | T | | | T | T | | | T | T | |
| Address: P.C | . Box 301 | | | | | | - | om | par | ıy: / | M | lewbo | urne 15 | | | | | | | | | | | - 1 | | | | | |
| City: Lovingto | on State: NM | Zip | : 88 | 260 | | | - | lttm; | 2 | 24 | - | Runne | 15 | | | | | | | | | | | | | | | | |
| Phone #: (57 | 5) 396-2378 Fax #: (575) 3 | 96-1 | 429 | | | | | lddr | | | - | | | | | | | | | | | | | | | | | | |
| Project #: | Project Owner | : | | | | | 0 | ity: | | | | | | | | | | | | | | | | 1 | | | | | |
| Project Name: | TOP Gun Federal Swi | 0 | 1. | | | | 1 | State | 9: | | Z | Zip: | | | | TPH (8015M) | BTEX (8021B) | | | | | | | | | | | | |
| Project Location | n: | | | | | | 6 | hor | ne i | ŀ: | | | | Chloride | | 801 | (80 | | | | | | | - 1 | | | | | |
| Sampler Name: | Auton Rics | | | | | | F | ax i | F: | | | | | G. | | I | X | | | | | | | | | | | | |
| FOR LAB USE ONLY | 70,00 | | | | MAT | RIX | | P | RES | ERV | 1 | SAMPLI | NG | | | = | E | 1 | | | | | | 1 | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | SOIL | OIL | SLUDGE | OTHER: | TO COLUMN | OTHER: | | DATE | TIME | | | | | | | | | | | | | | | | |
| 21 | TT-1 Surface Sample | | Y | | X | | | | | | 7 | 7-22-22 | | X | 1) | | X | | | | | | | | | | | | |
| 23 | TT-1 @ 4Ft | | X | | X | | | | | | L | 1 | | 1 | | 1 | 1 | | | | | | | | | | | | |
| 23 | TT-2 Surface Sample TT-2 @ 3Ft | | X | | X | | | 1 | | | L | | | Ш | 1 | | | 1 | | | | | | | | | | | |
| 24 | TT-2 @ 3Ft | | X | | X | | 1 | 1 | - | 1 | 1 | | | 1 | 1 | Ш | 1 | - | 1 | 1 | | | 1 | _ | | | | | |
| 25 | TT-3 Surface Sample | | X | | X | | 4 | 1 | - | - | 1 | | | 1 | 1 | П | 1 | 1 | - | 4 | | | + | 1 | | | - | - | |
| 26 | TT-3 @ 3Ft | L | X | | X | _ | - | + | - | - | 1 | | | 11 | + | \square | 1 | - | + | + | | | + | _ | | _ | - | + | |
| 21 | TT-4 Surface Sample | | X | | X | - | - | - | + | + | 1 | | | | + | Н | | + | + | + | | - | + | - | | - | - | + | |
| 28 | TT-4 @ 2Ft | _ | X | | X | - | - | + | + | - | 1 | 1 | | 1 | + | H | + | - | + | + | | - | + | - | | - | + | + | |
| 27 | TT-5 Surface Sample | | X | - | X | - | - | + | + | + | 1 | U | | W | 1 | 1 | 1 | - | + | + | | | + | - | | - | + | + | |
| PLEASE NOTE: Liability as | TT-S @ 9F4 rd Damagos, Candina's Sability and client's audusive remody for a | y clair | n spini | ng whethe | r bessed | n cons | ract or | tort, of | vall be | Marabas | 100 | the amount pai | d by the client for | - One | _ | | | _ | | 1 | _ | | | _1 | | | | 1 | |
| analyses. All claims includi service. In no event shall C | ng these for negligance and any other cause whatsoever shall be our ardinal be liable for incidental or consequental damages, including | withou | of Senior | ation, true | nam inte | eruptie | mo, los | s of us | e, or i | ious of | profil | its incurred by o | r completion of t slicet, its subsidis | ter application, | able | | | | | | | | | | | | | | |
| Relinquished B | ng out of or related to the performance of services hereuseler by C y: Date: 7- ZZ-ZZ | Re | COL | ved B | V: | wah a | aket és i | pesed | A COM | 1 1 | ine a | above stated or | Phone Re | sult: | E | Yes | |) No | Ade | ri Pi | one | #: | | | _ | | | | |
| 1 1 | | | | 1 | | 1 | 2 | / | 1/1 | // | 1 | lan | Fax Resu | | | Yes | 1 | No. | Ade | fi Fa | x#: | | | | | | | | |
| Relinquished B | Time: Joseph | | | yed B | W | 14 | 2 | 1 | RE | | | Y C | | | | | | | | | | | | | | | | | |
| Relinquished B | | PRE | Cel | veu b | ٧. | | | | | _ | / | | | | | | | | | | | | | | | | | | |
| | Time: | | | | | | | | | | | | Please e | mail | res | ults | to p | m@ | etech | env. | com | 1. | | | | | | | |
| | - Bus - Other: 4.2. C-0 | 4 | c 147 | Sa | res No | otac | * / | n | | HEC (In | tia | D BY: | | | | | | | | | | | | | | | | | |
| | U.U | 1.1 | 1- | 1 | INO | L | 140 | | - | - | _ | | | | _ | | | | | | | | | _ | | | | | |

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

| Company Name | : Etech Environmen | | | , Inc | 2. | | | | | | 1 | 31L | L TO | | | | | | ANA | LYS | SR | EQUI | ST | | |
|--|---|---|------------------|--------------|---|------------------|----------------------------------|---|--------------|---|---|--|--|---|----------------------|-------------|--------------|----------|-----|--------------|----|------|----|------|--|
| | or: Lance Crons | | | | | | | | P.O | . #: | | | | | | | | | | I | T | | T | | |
| Address: P.C | | | | | | | | | Cor | npa | iny: | 7 | Newbour | rne | | | | | | | | | | | |
| City: Lovingt | on | State: NM | Zip | 88 | 260 | | | | Attr | 1: 7 | Ch | hhi | e Run | 10/5 | | | | | | | | | | | |
| Phone #: (57 | 5) 396-2378 | Fax #: (575) 3 | 96-1 | 429 | | | | | | ires | | | | | | | | | | | | | | | |
| Project #: | | Project Owner | - | | | | | | City | | | | | | | | | | | | | | | | |
| Project Name: | TOP Gun Fee | | | 1 | | | | | Sta | | | 7 | Zip: | | | E | 100 | | | | | | | | |
| Project Locatio | | w | | 1 1 | | | | | | one | 4 - | | -ip- | | Chloride | FPH (8015M) | STEX (8021B) | | | | | | | | |
| | Aaron Rios | | | | | | | \neg | Fax | - | ₩. | | | | 일 | 8) | × | | | | | | | | |
| FOR LAB USE ONLY | THE PICT | | | | | IM. | TRU | _ | | | SEF | lv] | SAMPLI | NG | 0 | Ē | E STE | | | | | | | | |
| Lab I.D. | Sample f | | G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | OIL | SLUDGE | OTHER: | CID/BASE: | SE / COOL | OTHER: | DATE | TIME | | | | | | | | | | | |
| 11000000 | TT-960 9 5 | r . | 9 | * | 0 | \$ q | | 90 | 0 | 4 | 의 | | | | Х | × | X | - | + | + | + | + | + | | |
| 32 | 17-962f 17-1062F | <u>/</u> | | X | | × | - | | 1 | + | + | 4 | 17-22-22 | | X | X | X | | + | + | + | +- | | | |
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FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



August 17, 2022

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 08/12/22 16:58.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyand By 1H /

Received: 08/12/2022 Reported: 08/17/2022

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/12/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 1 @ 4' (H223701-01)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 8.62 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 101 | 2.00 | 8.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.97 | 98.5 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.10 | 102 | 6.00 | 7.59 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1120 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.3 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 | % 42.5-16 | 1 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/12/2022 Reported: 08/17/2022 Sampling Date: 08/12/2022
Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 2 @ 6' (H223701-02)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 8.62 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 101 | 2.00 | 8.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.97 | 98.5 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.10 | 102 | 6.00 | 7.59 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 672 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.1 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Kreine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 08/12/2022 Reported: 08/17/2022 Sampling Date:

08/12/2022

Project Name:

TOP GUN FEDERAL SWD 1

Sampling Type: Soil

Project Number:

BTEX 8021B

16075

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location:

MEWBOURNE

mg/kg

Sample ID: FS 3 @ 2' (H223701-03)

| | 9, | 9 | 7 | 1 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 8.62 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 101 | 2.00 | 8.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.97 | 98.5 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.10 | 102 | 6.00 | 7.59 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.9 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/12/2022 Reported: 08/17/2022 Sampling Date: 08/12/2022 Sampling Type: Soil

Project Name: Project Number: 16075

TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 4 @ 2' (H223701-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 8.62 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 101 | 2.00 | 8.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.97 | 98.5 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.10 | 102 | 6.00 | 7.59 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 80.7 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.9 | % 42.5-16 | 1 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/12/2022 Reported: 08/17/2022

08/17/2022 TOP GUN FEDERAL SWD 1

Project Name: TOP GU Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/12/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 5 @ 3' (H223701-05)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 8.62 | |
| Toluene* | < 0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 101 | 2.00 | 8.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.97 | 98.5 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.10 | 102 | 6.00 | 7.59 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.8 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.4 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



08/12/2022

Cool & Intact

Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/12/2022 Reported: 08/17/2022

08/17/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Analyzed By: 1H /

Sampling Date:

Sample Received By:

Project Name: TOP GUN Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 6 @ 3' (H223701-06)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 8.62 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 101 | 2.00 | 8.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.97 | 98.5 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.10 | 102 | 6.00 | 7.59 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.9 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Kreine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

 Received:
 08/12/2022
 Sampling Date:
 08/12/2022

 Reported:
 08/17/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 7 @ 3' (H223701-07)

| BTEX 8021B | mg, | 'kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 8.62 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 101 | 2.00 | 8.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.97 | 98.5 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.10 | 102 | 6.00 | 7.59 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 608 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | % 43-149 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 111 9 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/12/2022 Sampling Date: 08/12/2022

Reported: 08/17/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 16075 Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 8 @ 2' (H223701-08)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 8.62 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 101 | 2.00 | 8.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.97 | 98.5 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.10 | 102 | 6.00 | 7.59 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.6 | % 43-149 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | 6 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/12/2022 Reported: 08/17/2022 Sampling Date: 08/12/2022

Project Name: TOP GUN FEDERAL SWD 1

Sampling Type: Soil
Sampling Condition: Cool & Intact

Project Number: 16075

Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 9 @ 3' (H223701-09)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.02 | 101 | 2.00 | 5.44 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 4.76 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.93 | 96.6 | 2.00 | 5.55 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.01 | 100 | 6.00 | 5.88 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-140 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.0 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 42.5-16. | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

08/12/2022

Reported: 08/17/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Received:

Project Location: **MEWBOURNE** Sampling Date: 08/12/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Sample ID: FS 10 @ 5' (H223701-10)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.02 | 101 | 2.00 | 5.44 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 4.76 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.93 | 96.6 | 2.00 | 5.55 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.01 | 100 | 6.00 | 5.88 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 720 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 200 | 100 | 200 | 10.2 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 225 | 112 | 200 | 9.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.5 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

1 47

08/12/2022 08/17/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075
Project Location: MEWBOURNE

Sampling Date: 08/12/2022 Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

Sample ID: FS 11 @ 3' (H223701-11)

Received:

Reported:

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.02 | 101 | 2.00 | 5.44 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 4.76 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.93 | 96.6 | 2.00 | 5.55 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.01 | 100 | 6.00 | 5.88 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 174 | 87.2 | 200 | 9.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 168 | 83.9 | 200 | 8.61 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.1 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.0 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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08/12/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/12/2022 Sampling Date: Reported: 08/17/2022 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 12 @ 6' (H223701-12)

| BTEX 8021B | mg, | 'kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.02 | 101 | 2.00 | 5.44 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 4.76 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.93 | 96.6 | 2.00 | 5.55 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.01 | 100 | 6.00 | 5.88 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 880 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 174 | 87.2 | 200 | 9.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 168 | 83.9 | 200 | 8.61 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.6 | % 43-149 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.5 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/12/2022 Sampling Date: 08/12/2022

Reported: 08/17/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 13 @ 3' (H223701-13)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.02 | 101 | 2.00 | 5.44 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 4.76 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.93 | 96.6 | 2.00 | 5.55 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.01 | 100 | 6.00 | 5.88 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 174 | 87.2 | 200 | 9.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 168 | 83.9 | 200 | 8.61 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.3 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 80.0 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/12/2022 Reported: 08/17/2022 Sampling Date: 08/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Project Number: 16075

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 14 @ 2' (H223701-14)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.02 | 101 | 2.00 | 5.44 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 4.76 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.93 | 96.6 | 2.00 | 5.55 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.01 | 100 | 6.00 | 5.88 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 174 | 87.2 | 200 | 9.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 168 | 83.9 | 200 | 8.61 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.7 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.6 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 08/12/2022
 Sampling Date:
 08/12/2022

 Reported:
 08/17/2022
 Sampling Type:
 Soil

Reported: 08/17/2022 Sampling Type: Soil
Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact

Project Number: 16075 Sample Received By: Shalyn Rodriguez
Project Location: MEWBOURNE

Sample ID: FS 15 @ 2' (H223701-15)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.02 | 101 | 2.00 | 5.44 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 4.76 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 1.93 | 96.6 | 2.00 | 5.55 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.01 | 100 | 6.00 | 5.88 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 08/17/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2022 | ND | 174 | 87.2 | 200 | 9.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2022 | ND | 168 | 83.9 | 200 | 8.61 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/16/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 74.3 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.1 | % 42.5-16 | 1 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

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RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (ENE) 202 2226 EAV (ENE) 202 2476 (225) 673 7004 EAV (225)673 7020

| Company Name: Etech Environmental & Safety Solutions | | BI | LL TO | | | | ANALYSIS | REQUES | T | |
|--|---|---|---|---------------------|-------------------------|--------|----------|--------|---|--|
| Project Manager: Lance Cren Shaw | | P.O. #: | | | | | | | | |
| Address: 2617 West Marland | | Сотрапу: | Menborne | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | Attn:Conn | Menborne or Walker | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | Address: | | | | | | | | |
| Project #: Project Owner: | | City: | | | $\overline{\mathbf{z}}$ | 0 | | | | |
| Project #: Project Owner: Project Name: ToP Gun Fed SwD #/ | / | State: | Zip: | 9 | (8015M) | (8021B | | | | |
| Project Location: | | Phone #: | • | Chloride | 00 | 80 | | | | |
| Sampler Name: Aoron RioS | | Fax#: | 8 | 글 | 3 | × | | | | |
| FOR LAB USE ONLY | MATRIX | PRESERV | SAMPLING | O | TPH | BTEX | | | | |
| (G) RAB OR (C) OMI # CONTAINERS GROUNDWATER GROUNDWATER | WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: | DATE TIME | | L | B | | | | |
| F5 1 @ 4 F1 X | X | | 8-12-22 | X | X | X | | | | |
|) FS 2 6 6 Ft | | | | | 1 | | | | | |
| 3 FS 3 @ 2 Ft | | | | | | | | | | |
| 4 5 4 6 2 5 | | | | | | | | | | |
| 5 FS 5 @ 3 Ft | | | | | | | | | | |
| U FS 6 @ 3 F1 | | | | | | | | | | |
| 7 FS 7 @ 3 Ft | | | | | | | | | | |
| 8 FS 8 Q 2 FT | | | | | | | | | | |
| 9 FS 9 6 3 FT | | | | 11. | , | | | | | |
| 10 FS 10 @ 5 FT | V | | | V | V | V | | | | |
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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: 102 | Received By: | Phone Result: |
|---|-----------|--|--|
| Refinquished By: | Time: | Received By: | Fax Result: Yes No Add'I Fax #: REMARKS: email results |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | 50° A | Sample Condition CHECKED BY: Cool Intact (Initials) Yes Yes No No No | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name | Etech Environm | ental & Safety Solut | ions | | | | | | | | 3// | LLTO | | | | | ANA | LYSI | S RE | EQUE | ST | | |
|------------------------|-------------------------------|-----------------------------------|-----------------|--------------|-------------|------------|---------|------------|------------|------------|--------|--------------------|------------------|----------|---------|-------|-----|------|------|------|----------|---|---|
| Project Manage | r. Lance Cr | enshaw | | | | | | | 0.0.1 | k: | | | | | | | | | | | | | |
| Address: 261 | 7 West Marland | 1 | | | | | | 0 | omp | апу | 7 | Marba | me | | | | | | | | | | |
| City: Hobbs | | State: NM | Zip | : 88 | 240 |) | | 4 | kttn:(| bn | no | nowbac er wal | Ker | | | | | | | | | | |
| Phone #: (575) |) 264-9884 | Fax #: | | | | | | | ddre | | | | | | | | | | | | | | |
| Project #: 16 | 075 | Project Owne | er: | | | | | | ity: | | | | | | S | 8 | | | | | | | |
| roject Name: | TOP GUN | Fed SWD | # | 1. | | | | 5 | tate: | | | Zip: | | de | (8015M) | (8021 | | 1 | | | | | |
| Project Locatio | n: | | | | | | | F | hone | e #: | | | | Chloride | 8 | 8 | | | | | | | |
| Sampler Name: | Aaron Rios | | | | | | | F | ax# | : | | | | 」 | - | × | | | | | | | |
| FOR LAB USE ONLY | | | T | | | MA | TRI | (| PR | ESE | RV. | SAMPLI | NG | 10 | TPH | BTEX | | | | | | | |
| Lab I.D. | Samp | | (G)RAB OR (C)OM | # CONTAINERS | GROUNDWATER | WASTEWATER | OIL | SLUDGE | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME | | T | B | | | | | | | |
| 11 | FS 11, | @ 3 Ft | | X | | X | | | | | | 8/12/22 | | X | X | Y | | | | | | | |
| 12 13 14 15 | F5 12. | @ 6 Ft | | X | | X | | | | | | | | X | X | X | | | | | | | |
| 13 | FS 13. | © 3 Ft @ 2 Ft @ 2 Ft | | X | | × | | | | | | | | X | X | X | | | | | | | |
| 14 | FS 14. | @ 2 Ft | | X | | × | | | \perp | | | 11/ | | X | X | × | | | | | | _ | |
| 19 | PS 15 | @ 2 Ft | 1 | X | Ц | × | L | | 1 | | | V | | × | × | × | - | - | | - | | | |
| | | | ╄ | | | | L | | 1 | | | | | _ | | | _ | - | - | - | \vdash | - | _ |
| | | | - | | | | - | | + | | | | | - | | | - | + | - | - | - | - | + |
| | | | + | | H | - | - | - | + | | _ | - | | - | | - | - | - | - | - | - | - | - |
| | | | + | | | + | - | - | + | | - | | | - | - | | - | 1- | - | - | - | - | - |
| PLEASE NOTE: Liability | nd Dameone Carring's fability | and client's exclusive remedy for | any da | im arisi | ng whe | other base | d in co | intract or | tort, sha | il be lin | nlind | to the amount paid | by the client fo | or the | | | | 1 | | | | | |

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| Relinguished By: | 21/2/22 | Received By: | Phone Result: Yes |
|--------------------------------|------------|--|---|
| Moran Wast Relinguished By: | Time: USB | Stadiquers | Fax Result: ☐ Yes ☑ No Add'I Fax #: REMARKS: |
| Refinquished By: | Date: | Received By: | email results |
| | Time: | | |
| Delivered By: (Circle One) 5.0 | c/c-0. 6 : | Sample Condition CHECKED Cool Intact (Initials | BY: |
| Sampler - UPS - Bus - Other: | 50:4 | Cool Intact Yes Yes No No No | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



August 19, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 08/16/22 16:45.

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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyand By 14

Received: 08/16/2022 Reported: 08/19/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/15/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 26 @ 3' (H223749-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.08 | 104 | 2.00 | 10.2 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.96 | 98.1 | 2.00 | 9.80 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.05 | 101 | 6.00 | 8.90 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 08/18/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 201 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 221 | 110 | 200 | 4.49 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.9 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

Received: 08/16/2022 Reported: 08/19/2022 Sampling Date: 08/15/2022

Project Name: TOP GUN FEDERAL SWD 1

Sampling Type: Soil Sampling Condition: Cool

Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 27 @ 3' (H223749-02)

RTFY 8021R

| B1EX 8021B | mg/ | кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.08 | 104 | 2.00 | 10.2 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.96 | 98.1 | 2.00 | 9.80 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.05 | 101 | 6.00 | 8.90 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 08/18/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 201 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 221 | 110 | 200 | 4.49 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.7 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 9 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

Received: 08/16/2022 Reported: 08/19/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP GUN FEDE Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/15/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 28 @ 3' (H223749-03)

RTFY 8021R

| BIEX 8021B | mg/kg | | Anaiyze | Analyzed By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.08 | 104 | 2.00 | 10.2 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.96 | 98.1 | 2.00 | 9.80 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.05 | 101 | 6.00 | 8.90 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 704 | 16.0 | 08/18/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 201 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 221 | 110 | 200 | 4.49 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/16/2022 Sampling Date: 08/15/2022

Reported: 08/19/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 16075

Project Location: **MEWBOURNE**

Sample ID: FS 29 @ 3' (H223749-04)

| BTEX 8021B | mg/kg | | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.08 | 104 | 2.00 | 10.2 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.96 | 98.1 | 2.00 | 9.80 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.05 | 101 | 6.00 | 8.90 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 528 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.6 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 9 | % 42.5-16 | 1 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



08/15/2022

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/16/2022 Sampling Date: Reported:

08/19/2022 Sampling Type: Soil Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition:

Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 16075

Project Location: **MEWBOURNE**

Sample ID: FS 30 @ 2' (H223749-05)

| BTEX 8021B | mg/kg | | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.5 | % 43-149 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 9 | % 42.5-16 | 1 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

Received: 08/16/2022 Reported: 08/19/2022

08/19/2022 TOP GUN FEDERAL SWD 1

Project Name: TOP GI Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/15/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 31 @ 3' (H223749-06)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 544 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.1 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/16/2022 Reported: 08/19/2022

08/19/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Applyzod By: 14

Project Name: TOP GU Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/15/2022 Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 32 @ 2' (H223749-07)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-140 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 71.8 | % 43-149 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 83.0 | % 42.5-16. | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/16/2022 Reported: 08/19/2022 Sampling Date: 08/15/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 33 @ 2' (H223749-08)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.6 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/16/2022 Reported:

08/19/2022 TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/15/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS 34 @ 2' (H223749-09)

| BTEX 8021B | mg/kg | | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.2 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.0 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/16/2022 Sampling Date: 08/15/2022

Reported: 08/19/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 35 @ 2' (H223749-10)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 77.8 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.4 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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08/15/2022

Cool & Intact

Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date:

Sample Received By:

Received: 08/16/2022 Reported: 08/19/2022

08/19/2022 Sampling Type: TOP GUN FEDERAL SWD 1 Sampling Condition:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 16 @ 6' (H223749-11)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1960 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.1 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/16/2022 Sampling Date: 08/15/2022

Reported: 08/19/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 17 @ 6' (H223749-12)

| BTEX 8021B | mg, | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | 'kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1980 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | 'kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.3 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 9 | % 42.5-16 | 1 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/16/2022 Sampling Date: 08/15/2022

Reported: 08/19/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 18 @ 2' (H223749-13)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | 'kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.4 | % 43-149 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 | % 42.5-16 | 1 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/16/2022 Sampling Date: 08/15/2022

Reported: 08/19/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE

Sample ID: FS 19 @ 2' (H223749-14)

BTEX 8021B

| | 9/ | 9 | 71.14.1,24 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.11 | 106 | 2.00 | 9.39 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.03 | 102 | 2.00 | 9.06 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 2.01 | 100 | 2.00 | 9.73 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 6.24 | 104 | 6.00 | 10.4 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 69.9-140 |) | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.9 | % 43-149 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 9 | % 42.5-161 | ! | | | | | | |
| | | | | | | | | | |

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08/15/2022

Cool & Intact

Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/16/2022

Sampling Date: 08/19/2022 Sampling Type:

Sampling Condition:

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1 Project Number: 16075

Project Location: **MEWBOURNE**

Sample ID: FS 20 @ 2' (H223749-15)

Reported:

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.98 | 99.1 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.97 | 98.5 | 2.00 | 3.32 | |
| Ethylbenzene* | < 0.050 | 0.050 | 08/18/2022 | ND | 1.89 | 94.6 | 2.00 | 3.83 | |
| Total Xylenes* | < 0.150 | 0.150 | 08/18/2022 | ND | 5.86 | 97.6 | 6.00 | 3.75 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.1 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 9 | % 42.5-16 | 1 | | | | | | |

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08/15/2022

Cool & Intact Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/16/2022 Reported: 08/19/2022

08/19/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Analyzed By: JH/

Sampling Date:

Sample Received By:

Project Name: TOP GUN Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 21 @ 2' (H223749-16)

BTEX 8021B

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.98 | 99.1 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.97 | 98.5 | 2.00 | 3.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.89 | 94.6 | 2.00 | 3.83 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 5.86 | 97.6 | 6.00 | 3.75 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.0 | % 43-149 | | | | | | | |

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Celeg D. Freene

Surrogate: 1-Chlorooctadecane

Celey D. Keene, Lab Director/Quality Manager

87.8 %

42.5-161



08/15/2022

Cool & Intact Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date:

Sample Received By:

Received: 08/16/2022 Reported: 08/19/2022

08/19/2022 Sampling Type: TOP GUN FEDERAL SWD 1 Sampling Condition:

Project Name: TOP GU Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 22 @ 2' (H223749-17)

| BTEX 8021B | mg | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.98 | 99.1 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.97 | 98.5 | 2.00 | 3.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.89 | 94.6 | 2.00 | 3.83 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 5.86 | 97.6 | 6.00 | 3.75 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.5 | % 43-149 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 | % 42.5-16 | 1 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/16/2022 Sampling Date: 08/15/2022

Reported: 08/19/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE

Sample ID: FS 23 @ 2' (H223749-18)

RTFY 8021R

| Recovery True Value QC 99.1 2.00 98.5 2.00 94.6 2.00 97.6 6.00 | 3.32 3.83 3.75 | Qualifier |
|--|----------------------|-----------|
| 98.5 2.00 94.6 2.00 | 3.32 3.83 | |
| 94.6 2.00 | 3.83 | |
| | | |
| 97.6 6.00 | 3.75 | |
| | | |
| | | |
| | | |
| | | |
| Recovery True Value QC | RPD | Qualifier |
| 108 400 | 0.00 | |
| | | |
| Recovery True Value QC | RPD | Qualifier |
| 95.9 200 | 3.68 | |
| 107 200 | 3.90 | |
| | | |
| | | |
| | | |
| | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/16/2022 Reported: 08/19/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/15/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 24 @ 3' (H223749-19)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.98 | 99.1 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.97 | 98.5 | 2.00 | 3.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.89 | 94.6 | 2.00 | 3.83 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 5.86 | 97.6 | 6.00 | 3.75 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-140 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 80.7 | % 43-149 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.8 | % 42.5-16. | 1 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/16/2022 Sampling Date: 08/15/2022

Reported: 08/19/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 25 @ 2' (H223749-20)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.98 | 99.1 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 08/18/2022 | ND | 1.97 | 98.5 | 2.00 | 3.32 | |
| Ethylbenzene* | < 0.050 | 0.050 | 08/18/2022 | ND | 1.89 | 94.6 | 2.00 | 3.83 | |
| Total Xylenes* | <0.150 | 0.150 | 08/18/2022 | ND | 5.86 | 97.6 | 6.00 | 3.75 | |
| Total BTEX | <0.300 | 0.300 | 08/18/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 08/18/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/17/2022 | ND | 192 | 95.9 | 200 | 3.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/17/2022 | ND | 214 | 107 | 200 | 3.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/17/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 80.6 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.4 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



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.

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

Released to Imaging: 11/21/2023 1:49:26 PM

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Attn: Company: Mewbowne City: Hobbs Project #: (575) 264-9884 Project #: (575) 264-9884 Project Owner: City: Project Name: TOP GAN Fed SWD #F! State: Zip: Project Location: Sampler Name: MARTIX PRESERV SAMPLING FOR LAB USE ONLY Lab I.D. Sample I.D. Sample I.D. Sample I.D. Sample I.D. Phone #: (575) 264-9884 Fax #: Address: City: Phone #: (575) 264-9884 Fax #: Address: City: Phone #: (575) 264-9884 Fax #: Address: City: Project Location: Phone #: (575) 264-9884 Fax #: Address: City: Project Name: Zip: Phone #: (575) 264-9884 Fax #: Address: Project Name: Name | | REQUEST | LYSIS I | ANA | | | | | LTO | All | 11 - | | | | | tions | ntal & Safety Solution | Etech Environment | Company Name |
|--|---|---------|---------|-----|----|----|----|------|---------|-----------------------|------------|--------|-------|-------------|--------------|-----------------|------------------------|--------------------|------------------|
| Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Attn: Company: Mewbourne Address: Phone #: (575) 264-9884 Project #: 160 75 Project Name: Top Gun Fed Swo #! Project Location: Sampler Name: March 165 For LAB USE ONLY Lab I.D. Sample I.D. Sample I.D. Sample I.D. Company: Mewbourne Address: Address: City: State: Zip: Phone #: Fax #: For LAB USE ONLY Lab I.D. Sample I.D. Sample I.D. Sample I.D. DATE TIME | | | | | | | | | | | P.O. # | F | | | | | hew | w: Jance Creus | Project Manager |
| City: Hobbs State: NM Zip: 88240 Address: Project *: 160 75 Project Owner: Project Name: ToP Gun Fed Sw0 #F! State: Zip: Project Location: Sampler Name: Anon Res For LAB USE ONLY Lab I.D. Sample I.D. State: NM Zip: 88240 Address: City: Project Owner: Phone *: State: Zip: Phone *: Fax *: FOR LAB USE ONLY Lab I.D. Sample I.D. State: NM Zip: 88240 Address: City: Phone *: State: Zip: Phone *: Fax *: For LAB USE ONLY Lab I.D. Sample I.D. Sample I.D. DATE TIME | | | | | | | | rne | Newbou | any: 7 | omp | C | | | | | | | |
| Phone #: (575) 264-9884 Fax #: Address: Project #: 160 75 Project Owner: Project Name: Top Gun Fed Sw0#1. Project Location: Sampler Name: Auron Lies Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Phone #: (575) 264-9884 Fax #: Project Name: Zip: Phone #: State: Zip: Phone #: State: Zip: Phone #: Fax #: Fax #: For LAB USE ONLY Lab I.D. Sample I.D. Phone #: Sampler Name: Auron Lies Fax #: For LAB USE ONLY DATE TIME | | | | | | | 1 | er | r work | Enne | ttn: (| A | | 3240 | o: 88 | Zip | State: NM | | |
| Project #: /60 75 Project Owner: City: Project Name: Top Gun Fed Sw0 #f. State: Zip: Project Location: Phone #: Sampler Name: Awon (Lis S Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Sample I.D. Project Owner: City: State: Zip: Phone #: Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Project Owner: City: State: Zip: Phone #: Fax #: FOR LAB USE ONLY DATE TIME | | | | | | | | | | ss: | ddre | A | | | | | Fax #: | 264-9884 | Phone #: (575) |
| Tab I.D. Sample I. | | | | | m | 5 | | | | | ity: | C | | | | er: | Project Owner | 75 | Project #: 160 |
| Tab I.D. Sample I. | | | | | 27 | 15 | de | | Zip: | | tate: | S | | | | | SWD#1 | TOP Gun Fed | Project Name: 7 |
| Tab I.D. Sample I. | 1 | | | | 8 | 8 | O. | 1 | | #: | hone | P | | | | | | | |
| Tab I.D. Sample I.D. Soult Sou | | | | | X | = | 호 | | | | ax #: | F | | | | | | Auron Rios | Sampler Name: |
| Tab I.D. Sample I.D. Soult Strunge OTHER: ACID/BASE: CE / COOL CE | | | | | Ш | 구 | 0 | NG | SAMPLI | SERV | PR | X | MATRI | | Г | | | | FOR LAB USE ONLY |
| 2 F5 26 6 3.F4 X X X X X X X X X X X X X X X X X X X | | | | | B | _ | | TIME | DATE | ICE / COOL OTHER : | ACID/BASE: | SLUDGE | SOIL | GROUNDWATER | # CONTAINERS | (G)RAB OR (C)OM | | | |
| 2 F5 29 6 3 F4 X X X X X X X X X X X X X X X X X X | | | | | X | X | X | | 8-15-22 | | | | X | | × | | a 3.A | ES 26 (| |
| 2 55 18 60 3 53 11 11 11 11 11 11 11 | | | | | 1 | × | X | | | | | | X | | X | | @ 3Ft | F5 27 6 | 2 |
| | | | | | X | X | X | | 1 | | | | X | | X | | @ 3.F4 | FS 28 G FS 29 G | 3 |
| 4 FS 29 @ 3.H \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | | | 30 | V | 1 | | | | | | 4 | | 1 | | 2 3. H | FS 29 G | 4 |
| 5 P 30 G 2.F1 X X X X X X X X X | | | | | X | X | X | | | | | | V | | X | | 2.Ft | F) 30 (c) | 5 |
| U FS 31 @ 3.FH X X X | | | | | X | X | X | | | | | | K | | K | | | FS 31 @ | |
| 7 55 32 6 2.54 1 1 1 1 1 1 1 1 1 | | | | | y | X | X | | | | | | x | | X | | | | 7 |
| Y 15 33 6 2.Ft X X | | | | | V | X | | | | | | | X | | X | | | | 7 |
| 9 FS 34 @ 2.F1 X X X | | | | | | X | Y | | 11/ | | | | X | | × | | | FS 34 @ | 9 |
| 10 F5 35 @ 2.Ft Y V X X X | | | | | X | Y | X | | 0 | | | | V | | 4 | | | | 10 |

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| Relinquished By: | Date | Received By: | | Phone Result: | ☐ Yes | Z No | Add'l Phone #: | |
|---------------------------------|--------|---------------------|-------------|-------------------------|-------|-------|----------------|--|
| 1 /- | Time: | - NINIO | | Fax Result: REMARKS: | □ Yes | ZI No | Add'l Fax #: | |
| Deen freg | 1645 | Spouricy | W O | | | | | |
| Relinquished By: | Date: | Received By: | 1 | email resu | ılts | | | |
| | Time: | | | | | | | |
| Delivered By: (Circle One) 5.12 | 10.0.6 | Sample Condition | CHECKED BY: | | | | | |
| Sampler - UPS - Bus - Other: | 4.52 # | Cool Intact Yes Yes | (Initials) | | | | | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Released to Imaging: 11/21/2023 1:49:26 PM

RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

| Company Name: Etech Environmental & Safety Solutions | | BIL | 470 | | | | ANALYSIS | REQUES | Т | |
|--|--|--|---|----------------------------|-------------|---------|----------|--------|---|--|
| Project Manager: Jance Gen Shaw | | P.O. #: | | | | | | | | |
| Address: 2617 West Marland | | Company: 7 | Newburne | 1 1 | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | Attn: Conne | er Welker | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | Address: | | 1 | | | | | | |
| Project #: 160 75 Project Owner: | | City: | | | 2 | B | | | | |
| Project Name: Top Gon Fed Sub #1 | | State: | Zip: | e | TPH (8015M) | (8021B) | | | | |
| Project Location: | | Phone #: | | Chloride | ò | 8 | | | | |
| Sampler Name: Jaron Alia S | | Fax #: | 18 | 글 | 8) | × | | | | |
| FOR LAB USE ONLY | MATRIX | PRESERV. | SAMPLING | O | H | TEX | | | | |
| (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER GROUNDWATER | SOIL OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: | DATE TIME | | T | LB B | | | | |
| 11 FS 16. @ 6FT X | X | | 8-15-22 | X | X | X | | | | |
| 12 155 17, 1 6Ft | | | | 1 | 1 | | | | | |
| 13 F5 18, 2A | | | | | | | | | | |
| 13 F5 18 , 2 F7 14 F5 19 , 2 F1 15 F5 20 , 2 F1 | | | | | | | | | | |
| | | | | | | | | | | |
| 10 5 21. 24 | | | | | | | | | | |
| 17 FS 22, 2Ff | | | | | | | | | | |
| 18 FS 23, 2A | | | | | | | | | | |
| 19 VFS 24 V 3F4 | | | 11 | 11/ | 1 | U | | | | |
| 20 F5 25 @2F1 | V | | | V | ~ | | | | | |
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| Relinquished By: Date: Received B | | 000 1 1 | Phone Re Fax Resul | lt: | ☐ Ye | | | Ė. | | |

| · Secontin | 8/14/20 Time: 14/5 | Thoderon | w | Fax Result: REMARKS: | □ Yes | ☑ No | Add'l Fax #: |
|----------------------------|-----------------------|----------------|-------------|-------------------------|-------|------|--------------|
| Relinquished By: | Date: | Received By: | 0 | email resu | Ilts | | |
| | Time: | | | | | | |
| Delivered By: (Circle One) | 1.5:# | Ge Cool Intact | CHECKED BY: | | | | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



August 23, 2022

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 08/18/22 17:00.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/18/2022 Sampling Date: 08/18/2022 Reported: 08/23/2022 Sampling Type: Soil

TOP GUN FEDERAL SWD 1 Project Name: Sampling Condition: Cool & Intact

Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 40 @ 6' (H223799-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.06 | 103 | 2.00 | 0.460 | |
| Toluene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.05 | 102 | 2.00 | 1.74 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/19/2022 | ND | 1.99 | 99.3 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 08/19/2022 | ND | 6.14 | 102 | 6.00 | 0.0103 | |
| Total BTEX | <0.300 | 0.300 | 08/19/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 202 | 101 | 200 | 4.19 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 190 | 95.2 | 200 | 5.41 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 120 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 125 | % 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/18/2022 Reported: 08/23/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/18/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS 41 @ 6' (H223799-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.06 | 103 | 2.00 | 0.460 | |
| Toluene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.05 | 102 | 2.00 | 1.74 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/19/2022 | ND | 1.99 | 99.3 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 08/19/2022 | ND | 6.14 | 102 | 6.00 | 0.0103 | |
| Total BTEX | <0.300 | 0.300 | 08/19/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 640 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 202 | 101 | 200 | 4.19 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 190 | 95.2 | 200 | 5.41 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 116 % | 6 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 119 9 | 6 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/18/2022 Sampling Date: 08/18/2022

Reported: 08/23/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 42 @ 6' (H223799-03)

| BTEX 8021B | mg | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.06 | 103 | 2.00 | 0.460 | |
| Toluene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.05 | 102 | 2.00 | 1.74 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/19/2022 | ND | 1.99 | 99.3 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 08/19/2022 | ND | 6.14 | 102 | 6.00 | 0.0103 | |
| Total BTEX | <0.300 | 0.300 | 08/19/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 528 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 202 | 101 | 200 | 4.19 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 190 | 95.2 | 200 | 5.41 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 116 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 121 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/18/2022 Reported: 08/23/2022

Sampling Ty

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/18/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 43 @ 6' (H223799-04)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.06 | 103 | 2.00 | 0.460 | |
| Toluene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.05 | 102 | 2.00 | 1.74 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/19/2022 | ND | 1.99 | 99.3 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 08/19/2022 | ND | 6.14 | 102 | 6.00 | 0.0103 | |
| Total BTEX | <0.300 | 0.300 | 08/19/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 202 | 101 | 200 | 4.19 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 190 | 95.2 | 200 | 5.41 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 112 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Celey D. Kreine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/18/2022 Sampling Date: 08/18/2022

Reported: 08/23/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 16075

Project Location: **MEWBOURNE**

Sample ID: FS 44 @ 6' (H223799-05)

| BTEX 8021B | mg/ | kg | Analyzed By: JH/ | | | | | | |
|--------------------------------------|--------|-----------------|------------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.06 | 103 | 2.00 | 0.460 | |
| Toluene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.05 | 102 | 2.00 | 1.74 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/19/2022 | ND | 1.99 | 99.3 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 08/19/2022 | ND | 6.14 | 102 | 6.00 | 0.0103 | |
| Total BTEX | <0.300 | 0.300 | 08/19/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 115 % | 6 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 134 9 | 6 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 08/18/2022 Reported: 08/23/2022

Sampling Date: Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

mg/kg

Sampling Date: 08/18/2022

Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 45 @ 6' (H223799-06)

BTEX 8021B

| DILX GOZID | iiig/ | , kg | Allulyzo | a by. 5117 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.06 | 103 | 2.00 | 0.460 | |
| Toluene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.05 | 102 | 2.00 | 1.74 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/19/2022 | ND | 1.99 | 99.3 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 08/19/2022 | ND | 6.14 | 102 | 6.00 | 0.0103 | |
| Total BTEX | <0.300 | 0.300 | 08/19/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 640 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 116 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/18/2022 Reported: 08/23/2022

08/23/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Applyzod By: 1H /

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/18/2022 Sampling Type: Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

Sample ID: FS 1 @ 6.5' (H223799-07)

RTFY 8021R

| B1EX 8021B | mg | /кд | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.06 | 103 | 2.00 | 0.460 | |
| Toluene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.05 | 102 | 2.00 | 1.74 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/19/2022 | ND | 1.99 | 99.3 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 08/19/2022 | ND | 6.14 | 102 | 6.00 | 0.0103 | |
| Total BTEX | <0.300 | 0.300 | 08/19/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | Analyzed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 114 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | % 46.3-17 | 8 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | % 46.3-17 | 8 | | | | | | |

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Cool & Intact

Shalyn Rodriguez

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/18/2022 Reported: 08/23/2022

 /2022
 Sampling Date:
 08/18/2022

 /2022
 Sampling Type:
 Soil

Sampling Condition:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Number: 16075 Sample Received By:
Project Location: MEWBOURNE

Sample ID: FS 2 @ 6.5' (H223799-08)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.06 | 103 | 2.00 | 0.460 | |
| Toluene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.05 | 102 | 2.00 | 1.74 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/19/2022 | ND | 1.99 | 99.3 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 08/19/2022 | ND | 6.14 | 102 | 6.00 | 0.0103 | |
| Total BTEX | <0.300 | 0.300 | 08/19/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 121 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/18/2022 Reported: 08/23/2022 Sampling Date: 08/18/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Project Number: 16075

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 7 @ 4' (H223799-09)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.06 | 103 | 2.00 | 0.460 | |
| Toluene* | <0.050 | 0.050 | 08/19/2022 | ND | 2.05 | 102 | 2.00 | 1.74 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/19/2022 | ND | 1.99 | 99.3 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 08/19/2022 | ND | 6.14 | 102 | 6.00 | 0.0103 | |
| Total BTEX | <0.300 | 0.300 | 08/19/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 112 % | 6 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 134 % | 6 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/18/2022 Reported: 08/23/2022

Sampling Date: Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1 Project Number: 16075

Project Location: **MEWBOURNE** 08/18/2022 Soil

Sampling Condition:

Sample Received By:

Cool & Intact Shalyn Rodriguez

Sample ID: FS 10 @ 6.5' (H223799-10)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.05 | 102 | 2.00 | 9.79 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.99 | 99.6 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.98 | 98.9 | 2.00 | 11.0 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.07 | 101 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 9 | 6 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 135 9 | 6 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/18/2022 Sampling Date: 08/18/2022

Reported: 08/23/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 12 @ 6.5' (H223799-11)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.05 | 102 | 2.00 | 9.79 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.99 | 99.6 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.98 | 98.9 | 2.00 | 11.0 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.07 | 101 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 111 9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 133 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/18/2022 Sampling Date: 08/18/2022

Reported: 08/23/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 16075

Project Location: **MEWBOURNE**

Sample ID: WWS 1 (H223799-12)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.05 | 102 | 2.00 | 9.79 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.99 | 99.6 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.98 | 98.9 | 2.00 | 11.0 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.07 | 101 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 9 | % 46.3-17 | 8 | | | | | | |

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08/18/2022

Cool & Intact Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/18/2022 Reported: 08/23/2022

08/23/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Sampling Date:

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sample ID: WWS 2 (H223799-13)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.05 | 102 | 2.00 | 9.79 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.99 | 99.6 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.98 | 98.9 | 2.00 | 11.0 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.07 | 101 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 9 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Shalyn Rodriguez

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/18/2022 Reported: 08/23/2022

08/18/2022Sampling Date:08/18/202208/23/2022Sampling Type:SoilTOP GUN FEDERAL SWD 1Sampling Condition:Cool & Intact

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sample ID: WWS 3 (H223799-14)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.05 | 102 | 2.00 | 9.79 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.99 | 99.6 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.98 | 98.9 | 2.00 | 11.0 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.07 | 101 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/18/2022 Sampling Date: 08/18/2022

Reported: 08/23/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: MEWBOURNE

ma/ka

Sample ID: NWS 1 (H223799-15)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.05 | 102 | 2.00 | 9.79 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.99 | 99.6 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.98 | 98.9 | 2.00 | 11.0 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.07 | 101 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/18/2022 Reported:

08/23/2022 TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/18/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: NWS 2 (H223799-16)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.05 | 102 | 2.00 | 9.79 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.99 | 99.6 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.98 | 98.9 | 2.00 | 11.0 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.07 | 101 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 111 % | 6 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 9 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/18/2022 Reported:

08/23/2022 TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/18/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: NWS 3 (H223799-17)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.05 | 102 | 2.00 | 9.79 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.99 | 99.6 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.98 | 98.9 | 2.00 | 11.0 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.07 | 101 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 % | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 125 % | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/18/2022 Sampling Date: 08/18/2022

Reported: 08/23/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 16075

Project Location: **MEWBOURNE**

Sample ID: NWS 4 (H223799-18)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.05 | 102 | 2.00 | 9.79 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.99 | 99.6 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 1.98 | 98.9 | 2.00 | 11.0 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.07 | 101 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 08/22/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 240 | 120 | 200 | 9.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 215 | 107 | 200 | 3.11 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 % | 6 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 138 9 | 6 46.3-17 | 8 | | | | | | |

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Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name: Etech Environmental & Safety Solutions | | | | | | | | ell | 1 70 | | | | | | ANALYSIS REQUEST | | | | | | | | | | |
|--|--|-------------------------|------------------|--------------|------------|-------------|--------|----------------|----------------|---------------|-----------|--------------------|--------------------------------|--------------|------------------|------|------|---|-------|---|---|---|---|----|----|
| Project Manager: 1 | arceCrensho | all | | | | | | | 2.0. | Ø: | | | | | | | | | | | | | | | |
| Address: 2617 W | est Marland | | | | | | | C | om | | | | UME | | | 1 | | | | | | | | 1 | |
| City: Hobbs | S | State: NM | Zip: | 882 | 240 | | | A | kttn: | C | chi | nor w | tolker | | | | | | | 1 | | | | | |
| Phone #: (575) 264 | 1-9884 Fa | IX #: | | | | | | A | ddn | 0 5 S: | | | | | | 1 | | | | | | | | | |
| Project #: 160 7 | 5 Pr | oject Owner: | | | | | | City: | | | | | S | m | | | 1 | | | 4 | | | | | |
| | o Gun Fed | SWD#1 | | | | | | S | State: Zip: | | | 9 | 5 | (8021B) | | | | | | | | | | | |
| Project Location: | | | | | | | | P | Phone #: | | | Chloride | 8 | a | 5 | | | | | | | | | | |
| Sampler Name: Ac | son Kios | | | | | | | Fax #: | | | 三 | TPH (8015M) | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | T | | MAT | TRIX | | PRESERV. SAMPL | | | | ING | 10 | 그 | BTEX | | | | | | 1 | | | |
| Lab I.D. | Sample I.D. | | (G)RAB OR (C)OMP | # CONTAINERS | WASTEWATER | SOIL | OIL | SLUDGE | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME | | | α | | | | | | | | | |
| 1 55 | 40 6 | 6 Ft | | X | | X | | | | | | 8/18/27 | | X | X | X | | | | | | | | | |
| 2万 | 41 00 6 | 5 Ff | | | | 1 | | | | | | | | | | 1 | | | | | | | | | |
| 3 F5 | | | | Ш | | | | | L | | | | | | | Ц | | | | | | | | | |
| 4 F5 | 43 6 6 | | _ | 11 | | 11 | | - | | | | | | 1 | \vdash | Н | - | _ | - | _ | _ | | | | _ |
| SF | 45 6 6 | | 4 | 4 | _ | 1 | | - | - | - | Н | | | 1 | | Н | _ | _ | 1 | _ | _ | | | | 1 |
| 65 | | FT | 4 | 1 | _ | 1 | | - | 1 | - | | | | 4 | 1 | Н | | | 1 | _ | | | | - | - |
| 715 | | 5 FF | - | # | - | + | | + | + | - | | | | + | - | H | - | _ | - | - | + | - | | - | - |
| 8 F5 | 2 6 63 | Ft | - | # | + | - | | - | + | +- | \vdash | 11/ | | 1 | | 11 | 1 | - | + | + | + | - | - | +- | - |
| 1 FS | 1 0 91 | Ft | - | 1 | + | | | + | + | + | \vdash | V | | 10 | W | 1 | 4 | - | + | + | - | - | - | + | +- |
| 70 11 0 | ges. Cardinal's liability and client's in | | ctaim | arising | whethe | r based | in com | tract or | tort, sh | all be ti | inited t | o the amount p | aid by the client to | or the | | _ | | | | | | | | | |
| ervice. In no event shall Cardinal | e for negligence and any other cause to be liable for incidental or consequents | il demages, including v | ithout | limitatio | n, busir | vess int | empho | ons, fee | s of use | e, or low | ns of pro | offits incurred by | client, its suboid | iaries | able | | | | | | | | | | |
| Relinquished By: | of or related to the performance of sen | inces hereunder by Ca | - | | d By | | 21 | C ₇ | W. | pon any | y of the | above stated | Phone Re Fax Resu REMARK | sult: It: | □ Ye | | Ø No | | T Pho | | | | | | |
| Relinquished By: | | ite: | Rec | eive | d By | / : | | U | | | | 0 | email | resu | ults | | | | | | | | | | |
| Delivered By: (C | | me: | | 1 | 800 | male | Con | ditio | | CH | ECK | ED BY: | | | | | | | | | | | | | |
| 3 | 4.50 | K-0.6 | | | Co | ol Yes | Intac | t | | | (Initi | | | | | | | | | | | | | | |
| Sampler-UPS - Bi | AS - Uther: | 200-4 | 112 | | K | res | | 162 | | - | 3 | | B | | | | | | | | | | | | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Received by OCD: 6/21/2023 7:17:51 AM

Delivered By: (Circle One)

Sampler UPS - Bus - Other:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name: Etech Environmental & Safety Solutions | E | THE TO | | | ANALYSIS REQUEST | | | | |
|--|--|--|-------------------------|-------------|------------------|--|--|--|--|
| Project Manager: Lance Crenshaw | P.O. #: | | | | | | | | |
| ddress: 2617 West Marland | | Meubourne | | | | | | | |
| ity: Hobbs State: NM Zip: 88240 | Attn: On | norwalker | | | | | | | |
| none #: (575) 264-9884 Fax #: | Address: | | | | | | | | |
| roject #: 16075 Project Owner: | City: | | | Z W | | | | | |
| roject Name: TOP GUN Fed SWD #1 | State: | Zip: | de | TPH (8015M) | | | | | |
| roject Location: | Phone #: | | Chloride | 2 8 | | | | | |
| ampler Name: Aaron Rid 5 | Fax#: | 6 | 로 | X | | | | | |
| OR LAB USE ONLY | ATRIX PRESER | RV. SAMPLING | | BTEX (| | | | | |
| (G)RAB OR (C)OMF | SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL | DATE TIME | | - B | | | | | |
| 11 FS 12 6 6 % Ft X | K | 8-18-22 | × | XX | | | | | |
| 12 WWS 1 X | 1 | | 7 | ХУ | | | | | |
| 13 WWS 2 X | (| | ~ | XX | | | | | |
| 14 wws 3 | ž l | | X | XX | | | | | |
| 15 NWS 1 | 2 | | X | XX | | | | | |
| 16 NWS 2 X | X | | × | y d | | | | | |
| 17 NWS 3 | 4 | 10 | X | XX | | | | | |
| 18 NWS 4 | X | | - | v x | | | | | |
| | | 1 | | ++ | | | | | |
| EASE NOTE: Liability and Damages. Cardinal's fability and client's carclusive remedy for any claim arising whether | sed in contract or tort, shall be limit | find to the amount paid by the client fo | or the | | | | | | |
| alyses. All claims including those for negligence and any other cause whatisoever shall be deemed waived unloss m vice. In no event shall Cardinal be flable for incidental or consequental damages, including without limitation, busine | interruptions, loss of use, or loss | of profits incurred by client, its subeids | MITTERS . | | | | | | |
| where or successors eming out of or related to the performance of servicins hereunder by Cardinal, regardless of whe performance of servicins hereunder by Cardinal, regardless of whe performance of servicins hereunder by Cardinal, regardless of where the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of when the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of servicins hereunder by Cardinal, regardless of the performance of the | dicin is based upon any o | Phone Re Fax Resu REMARK | esult: D It: D S: | Yes Z N | | | | | |
| elinquished By: Date: Received By: | 1 | email | result | S | | | | | |

CHECKED BY:

(Initials)

Sample Condition

Cool Intact
Yes Yes

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



August 23, 2022

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 08/19/22 16:53.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/19/2022 Reported: 08/23/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

MEWBOURNE Project Location:

Sampling Date: 08/19/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: 36 @ 6' (H223828-01)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/23/2022 | ND | 2.01 | 101 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.99 | 99.6 | 2.00 | 12.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.94 | 97.1 | 2.00 | 12.6 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2022 | ND | 6.04 | 101 | 6.00 | 12.1 | |
| Total BTEX | <0.300 | 0.300 | 08/23/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 08/23/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 195 | 97.3 | 200 | 0.197 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 204 | 102 | 200 | 0.317 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.3 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.2 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 08/19/2022 Reported: 08/23/2022 Sampling Date:
Sampling Type:

08/19/2022 Soil

Project Name:

08/23/2022 TOP GUN FEDERAL SWD 1

Sampling Condition:

Cool & Intact

Project Number:

16075

Sample Received By:

Tamara Oldaker

Project Location:

BTEX 8021B

MEWBOURNE

mg/kg

Sample ID: 37 @ 6' (H223828-02)

| | <u> </u> | | | | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/23/2022 | ND | 2.01 | 101 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.99 | 99.6 | 2.00 | 12.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.94 | 97.1 | 2.00 | 12.6 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2022 | ND | 6.04 | 101 | 6.00 | 12.1 | |
| Total BTEX | <0.300 | 0.300 | 08/23/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 08/23/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 195 | 97.3 | 200 | 0.197 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 204 | 102 | 200 | 0.317 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.1 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/19/2022 Reported: 08/23/2022 Sampling Date: 08/19/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: 38 @ 6' (H223828-03)

| BTEX 8021B | mg | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/23/2022 | ND | 2.01 | 101 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.99 | 99.6 | 2.00 | 12.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.94 | 97.1 | 2.00 | 12.6 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2022 | ND | 6.04 | 101 | 6.00 | 12.1 | |
| Total BTEX | <0.300 | 0.300 | 08/23/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 08/23/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 195 | 97.3 | 200 | 0.197 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 204 | 102 | 200 | 0.317 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/19/2022 Sampling Date: 08/19/2022

Reported: 08/23/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 16075 Tamara Oldaker

MEWBOURNE Project Location:

Sample ID: 39 @ 6' (H223828-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/23/2022 | ND | 2.01 | 101 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.99 | 99.6 | 2.00 | 12.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.94 | 97.1 | 2.00 | 12.6 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2022 | ND | 6.04 | 101 | 6.00 | 12.1 | |
| Total BTEX | <0.300 | 0.300 | 08/23/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 08/23/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 195 | 97.3 | 200 | 0.197 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 204 | 102 | 200 | 0.317 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.5 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.8 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/19/2022 Reported: 08/23/2022 Sampling Date: 08/19/2022 Sampling Type: Soil

Project Name:

RTFY 8021R

TOP GUN FEDERAL SWD 1

ma/ka

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 16075

Project Location: MEWBOURNE

Sample ID: 49 @ 6' (H223828-05)

| BIEX 8021B | mg | /кд | Anaiyze | a By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.09 | 104 | 2.00 | 8.16 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.06 | 103 | 2.00 | 8.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.02 | 101 | 2.00 | 8.72 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.26 | 104 | 6.00 | 8.54 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 08/23/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 195 | 97.3 | 200 | 0.197 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 204 | 102 | 200 | 0.317 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/19/2022 Reported: 08/23/2022

TOP GUN FEDERAL SWD 1

ma/ka

Project Name: TOP GUI Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/19/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 52 @ 3' (H223828-06)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.09 | 104 | 2.00 | 8.16 | |
| Toluene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.06 | 103 | 2.00 | 8.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2022 | ND | 2.02 | 101 | 2.00 | 8.72 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2022 | ND | 6.26 | 104 | 6.00 | 8.54 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 544 | 16.0 | 08/23/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2022 | ND | 195 | 97.3 | 200 | 0.197 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2022 | ND | 204 | 102 | 200 | 0.317 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.5 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

S-04



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

Notes and Definitions

| 301 | The surrogate recovery for all 3 surple is outside or established condition limits due to a surrige matrix effect. |
|-------|---|
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| 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 |

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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Celey D. Keine

Released to Imaging: 11/21/2023 1:49:26 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Martand, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name: | npany Name: Etech Environmental & Safety Solutions | | | | | | BILLTO | | | | | | | | | ANA | LYSI | SRE | EQUES | ST | | | | | |
|--|--|---|---|---------------------------|--------------------------------|---------------------------------------|------------------------------|-----------------------|----------------------------|--------------------|--------------------|---------------|-----------------------|--|------------------------------|-------------|---------|----------|-------|-----------------|---|---|--|---|---|
| Project Manager: | fance Cre | 15ha4 | 1 | | | | | | | 2.0.1 | H: | | | | | | | | | | | | | | |
| Address: 2617 W | | | | | | | | | C | omp | pany | 1:7 | newbox | rne | | | | | | | | | | | |
| City: Hobbs | | Sta | ate: NM | Zip | : 88 | 3240 | | | A | kttn: | Col | nno | rund | Ker | | | | 1 | | | 1 | | | | |
| Phone #: (575) 26 | | Fax | #: | | | | | | 4 | ddn | 955: | | | | | | - | | | | 1 | | | | |
| Project #: 1667. | 5 | Proj | ject Owner | r: | | | | | C | ity: | | | | | | TPH (8015M) | (8021B) | | | | | | | | |
| Project Name: 70 F | Gun F | ed Sw | 0#1 | | | | | | s | tate | : | | Zip: | | Chloride | 15 | 22 | | | | | | | | |
| Project Location: | | | | | | | | | F | hon | e#: | | | | 10 | 8 | 8 | | | | | | | | |
| Sampler Name: A | Gron Rio | 5 | | | | | | | F | ax# | : | | | | 三 | = | × | | | | | | | | |
| FOR LAB USE ONLY | | | | | П | | MA | TRUX | | PF | RESE | ERV. | SAMPLI | NG | 10 | 古 | BTEX | 1 | | | 1 | | | | 1 |
| Lab I.D. | Samp | le I.D. | | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | OIL | SLUDGE | ACID/BASE | ICE / COOL | OTHER: | DATE | TIME | | | 80 | | | | | | | | |
| | 36 | 6 6 | Ft | | × | | X | | | | | | 8-19-22 | | Y | ¥ | X | | | | | | | | |
| 2 | 37 | @ 6 | FF | | X | | X | | | | | | 1 | | X | 7 | X | | | | | | | | |
| 3 | 38 39 49 | @ 6 @ 6 @ 3F | FF FF T | | X | | X | - | | | | | | | X | X | X | | | | | | | | |
| 4 | 39 | @ 6 | Ft | | X | | × | - | | 1 | | Ш | | | × | X | X | - | - | | | | | | - |
| 5 | 49 | 6 61 | Ft | | × | H | × | 1 | 1 | 1 | - | Н | 11/ | | X | × | × | - | - | - | - | - | | _ | - |
| 6 | 52 | @ 3F | + | | X | | ¥ | | | | | | 0 | | 1 | 7 | ¥ | | | | | | | | |
| | | | | | - | H | + | | | + | - | H | | | | | | - | | - | - | | | - | + |
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| Relinquished By: Relinquished By: | ž) | Date 8- Time Date | e: | 0 | - | ved B | 1114 | 942 | 70 | Me | 1/2 | les | Ly . | Phone Re Fax Resu REMARK | ft: S: | □ Ye | | No No | | Phone Fax #: | | | | | |
| Delivered By: (C | | 5.92 |) C-0 | | | C | ool Ye | Inta | rdition Ct Yes No | n | | ECK (Initi | | | | | | | | | | | | | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



August 29, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 08/23/22 16:55.

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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyand By 1H /

Received: 08/23/2022 Reported: 08/29/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/23/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 16 @ 10' (H223863-01)

DTEV 0021D

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.88 | 93.9 | 2.00 | 3.10 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.86 | 93.1 | 2.00 | 2.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.80 | 90.1 | 2.00 | 2.25 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.62 | 93.7 | 6.00 | 1.90 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 592 | 16.0 | 08/24/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2022 | ND | 195 | 97.5 | 200 | 1.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2022 | ND | 201 | 100 | 200 | 1.35 | |
| EXT DRO >C28-C36 | 10.5 | 10.0 | 08/24/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Sampling Date: 08/23/2022

Reported: 08/29/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: FS 17 @ 10' (H223863-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/25/2022 | ND | 1.88 | 93.9 | 2.00 | 3.10 | |
| Toluene* | <0.050 | 0.050 | 08/25/2022 | ND | 1.86 | 93.1 | 2.00 | 2.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/25/2022 | ND | 1.80 | 90.1 | 2.00 | 2.25 | |
| Total Xylenes* | <0.150 | 0.150 | 08/25/2022 | ND | 5.62 | 93.7 | 6.00 | 1.90 | |
| Total BTEX | <0.300 | 0.300 | 08/25/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 08/24/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2022 | ND | 195 | 97.5 | 200 | 1.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2022 | ND | 201 | 100 | 200 | 1.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 9 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/23/2022 Reported:

Sampling Date:

08/23/2022

Project Name:

08/29/2022

ma/ka

Sampling Type: Sampling Condition: Soil Cool & Intact

RTFY 8021R

TOP GUN FEDERAL SWD 1

Sample Received By:

Tamara Oldaker

Project Number:

16075

Project Location: **MEWBOURNE**

Sample ID: FS 28 @ 4' (H223863-03)

| BIEX 8021B | mg | / kg | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.88 | 93.9 | 2.00 | 3.10 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.86 | 93.1 | 2.00 | 2.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.80 | 90.1 | 2.00 | 2.25 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.62 | 93.7 | 6.00 | 1.90 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 08/24/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2022 | ND | 195 | 97.5 | 200 | 1.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2022 | ND | 201 | 100 | 200 | 1.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.2 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Reported: 08/29/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/23/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 46 @ 4' (H223863-04)

| Benzene* <0.050 0.050 08/24/2022 ND 1.88 Toluene* <0.050 0.050 08/24/2022 ND 1.86 | % Recovery 93.9 93.1 90.1 | True Value QC 2.00 2.00 | RPD 3.10 | Qualifier |
|---|------------------------------------|-------------------------------|-------------|-----------|
| Toluene* <0.050 0.050 08/24/2022 ND 1.86 | 93.1 | | | |
| · · | | 2.00 | | |
| | 90.1 | | 2.28 | |
| Ethylbenzene* <0.050 0.050 08/24/2022 ND 1.80 | | 2.00 | 2.25 | |
| Total Xylenes* <0.150 0.150 08/24/2022 ND 5.62 | 93.7 | 6.00 | 1.90 | |
| Total BTEX <0.300 0.300 08/24/2022 ND | | | | |
| Surrogate: 4-Bromofluorobenzene (PID 110 % 69.9-140 | | | | |
| Chloride, SM4500Cl-B mg/kg Analyzed By: GM | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride 336 16.0 08/24/2022 ND 432 | 108 | 400 | 0.00 | |
| TPH 8015M mg/kg Analyzed By: MS | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* <10.0 10.0 08/24/2022 ND 195 | 97.5 | 200 | 1.63 | |
| DRO >C10-C28* <10.0 10.0 08/24/2022 ND 201 | 100 | 200 | 1.35 | |
| EXT DRO >C28-C36 <10.0 10.0 08/24/2022 ND | | | | |
| Surrogate: 1-Chlorooctane 86.8 % 45.3-161 | | | | |
| Surrogate: 1-Chlorooctadecane 103 % 46.3-178 | | | | |

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Cool & Intact

Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Reported: 08/29/2022

 08/23/2022
 Sampling Date:
 08/23/2022

 08/29/2022
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 47 @ 6' (H223863-05)

| Analyte Result Reporting Limit Analyzed Method Blank BS Benzene* <0.050 0.050 08/24/2022 ND 1.88 Toluene* <0.050 0.050 08/24/2022 ND 1.86 | % Recovery 93.9 93.1 90.1 | True Value QC 2.00 2.00 | RPD 3.10 2.28 | Qualifier |
|---|------------------------------------|-------------------------------|---------------------|-----------|
| Toluene* <0.050 0.050 08/24/2022 ND 1.86 | 93.1 | | | |
| | | 2.00 | 2 28 | |
| | 90.1 | | 2.20 | |
| Ethylbenzene* <0.050 0.050 08/24/2022 ND 1.80 | | 2.00 | 2.25 | |
| Total Xylenes* <0.150 0.150 08/24/2022 ND 5.62 | 93.7 | 6.00 | 1.90 | |
| Total BTEX <0.300 0.300 08/24/2022 ND | | | | |
| Surrogate: 4-Bromofluorobenzene (PID 111 % 69.9-140 | | | | |
| Chloride, SM4500Cl-B mg/kg Analyzed By: GM | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride 256 16.0 08/24/2022 ND 432 | 108 | 400 | 0.00 | |
| TPH 8015M mg/kg Analyzed By: MS | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* <10.0 10.0 08/24/2022 ND 195 | 97.5 | 200 | 1.63 | |
| DRO >C10-C28* <10.0 10.0 08/24/2022 ND 201 | 100 | 200 | 1.35 | |
| EXT DRO >C28-C36 <10.0 10.0 08/24/2022 ND | | | | |
| Surrogate: 1-Chlorooctane 108 % 45.3-161 | | | | |
| Surrogate: 1-Chlorooctadecane 127 % 46.3-178 | | | | |

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Celey D. Keine



08/23/2022

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Reported: 08/29/2022

08/23/2022 Sampling Date:
08/29/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 48 @ 4' (H223863-06)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.88 | 93.9 | 2.00 | 3.10 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.86 | 93.1 | 2.00 | 2.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.80 | 90.1 | 2.00 | 2.25 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.62 | 93.7 | 6.00 | 1.90 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 08/24/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 70.5 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.5 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

08/23/2022 08/29/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/23/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS 50 @ 6' (H223863-07)

Received:

Reported:

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.88 | 93.9 | 2.00 | 3.10 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.86 | 93.1 | 2.00 | 2.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.80 | 90.1 | 2.00 | 2.25 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.62 | 93.7 | 6.00 | 1.90 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 08/24/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 74.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.6 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Reported: 08/29/2022 Sampling Date: 08/23/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: FS 51 @ 6' (H223863-08)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.88 | 93.9 | 2.00 | 3.10 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.86 | 93.1 | 2.00 | 2.28 | |
| Ethylbenzene* | < 0.050 | 0.050 | 08/24/2022 | ND | 1.80 | 90.1 | 2.00 | 2.25 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.62 | 93.7 | 6.00 | 1.90 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 08/24/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.0 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/23/2022 Reported: 08/29/2022

Project Name: TOP GUN FEDERAL SWD 1

ma/ka

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/23/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS 53 @ 2' (H223863-09)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.88 | 93.9 | 2.00 | 3.10 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.86 | 93.1 | 2.00 | 2.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.80 | 90.1 | 2.00 | 2.25 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.62 | 93.7 | 6.00 | 1.90 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 08/24/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 65.1 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.3 | % 46.3-17 | <i>'8</i> | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Reported:

08/29/2022 Sampling Type: Sampling Condition:

Project Name: TOP GUN FEDERAL SWD 1 Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/23/2022

Soil

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: FS 54 @ 3' (H223863-10)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.02 | 101 | 2.00 | 4.32 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.96 | 97.9 | 2.00 | 4.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.93 | 96.3 | 2.00 | 3.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.97 | 99.6 | 6.00 | 3.27 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 08/24/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | 11.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.1 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.3 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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08/23/2022

Cool & Intact

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Reported: 08/29/2022

08/23/2022 Sampling Date:
08/29/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Number: 16075 Sample Received By: Tamara Oldaker
Project Location: MEWBOURNE

Sample ID: FS 55 @ 3' (H223863-11)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.02 | 101 | 2.00 | 4.32 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.96 | 97.9 | 2.00 | 4.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.93 | 96.3 | 2.00 | 3.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.97 | 99.6 | 6.00 | 3.27 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 08/24/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 77.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.5 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

Tux

16075

Received: 08/23/2022 Reported: 08/29/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Location: MEWBOURNE

Sampling Date: 08/23/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 56 @ 2' (H223863-12)

Project Number:

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.02 | 101 | 2.00 | 4.32 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.96 | 97.9 | 2.00 | 4.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.93 | 96.3 | 2.00 | 3.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.97 | 99.6 | 6.00 | 3.27 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 08/24/2022 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.3 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Reported: 08/29/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/23/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 57 @ 3' (H223863-13)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.02 | 101 | 2.00 | 4.32 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.96 | 97.9 | 2.00 | 4.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.93 | 96.3 | 2.00 | 3.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.97 | 99.6 | 6.00 | 3.27 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 08/24/2022 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 73.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.5 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Reported: 08/29/2022

19/2022 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/23/2022 Sampling Type: Soil

Sampling Condition:

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: FS 58 @ 2' (H223863-14)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.02 | 101 | 2.00 | 4.32 | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.96 | 97.9 | 2.00 | 4.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.93 | 96.3 | 2.00 | 3.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.97 | 99.6 | 6.00 | 3.27 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 08/24/2022 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.1 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/23/2022 Reported: 08/29/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/23/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 59 @ 2' (H223863-15)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.02 | 101 | 2.00 | 4.32 | |
| Toluene* | < 0.050 | 0.050 | 08/24/2022 | ND | 1.96 | 97.9 | 2.00 | 4.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.93 | 96.3 | 2.00 | 3.86 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 5.97 | 99.6 | 6.00 | 3.27 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1260 | 16.0 | 08/24/2022 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/25/2022 | ND | 247 | 124 | 200 | 4.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/25/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 69.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 80.0 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name | LIECTI LITATIONI THE REAL & SELECT SOIL | tions | | | | | | BILL TO | | | | | | | | | | | | Al | NAL | YSIS | RI | EQU | EST | Γ | | |
|------------------|---|------------------|---------|-------------|------------|------|------|---------|--------|------------|------------|--------|-----|--------|------|--------------------|---------|----|-------------------------|----|-----|------|----|-----|-----|--------|---|---|
| Project Manage | - Lance Crenshaw | | | | | | | | P.C |). #: | | | | | | | | Γ | \neg | | | | | | | \neg | | |
| | 7 West Marland | | | | | | | | Co | mpa | any | : 1 | Nec | Ubout | ae | | | | | | | | | | | | | |
| City: Hobbs | State: NM | Zi | p: 8 | 824 | 0 | | | | | | | | | valke | | 1 | | 1 | | | | | | | | | | |
| Phone #: (575) | 264-9884 Fax #: | | | | | | | | | dres | | | | | | 1 | | ١. | | | | | | | | - 1 | | |
| | | er: | | | | | | | Cit | v: | | | | | | | 5 | 1 | m | | | | | | | | | |
| Project Name: | TOP Gun Fed SWO # | F/. | | | | | | | Sta | te: | | | Zip | : | | e | 5 | | 2 | | | | | | | | | |
| Project Location | - | | | | | | | | Ph | one | #: | | | | | Chloride | (8015M) | | (8021B) | | | | | | | | | |
| Sampler Name: | Anon Nos | | | | | | | \neg | Fax | | | | | | | 18 | 8 | - | $\overline{\mathbf{v}}$ | | | | | | | | | |
| FOR LAB USE ONLY | Jord Jessey | T | T | T | | MAT | (RI) | _ | _ | PRE | SE | RV. | - | SAMPLI | iG | $\overline{\circ}$ | TPH | | BTEX | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | NTAINER | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | | DATE | TIME | | - | | 8 | | | | | | | | | |
| 1 | FS 166 10 Ft | | X | | | X | | | | | | | 8 | 23-22 | | X | X | 1 | X | | | | | | | | | |
| 2 | FS 176 10 Ft | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 3 4 5 AR | FS 28 6 4 F4 FS 46 6 4 F4 | | Ш | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | |
| 4 | F5 46 @ 4Ft | 1 | Ш | L | | | | | | | | | Ŀ | | | 11 | ш | 1 | | _ | | | _ | 1 | 1 | | _ | - |
| 5 AR | 15 47 6 4 6Ft | 1 | Ш | | | | | | Ц | Ц | | | | | | | | 1 | | | | | | | _ | | | |
| 6 | FS 48 6 4Ft | | Ш | L | | | | | | | | Ш | | | | | | 1 | | _ | | | | | _ | | | |
| 7 | FS 50 @ 6Ft | - | 11 | L | | | | | | | | | Ц | | | | | 1 | | | | | | 1 | | | | _ |
| 8 | FS 51 @ GFt | | Ш | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 8 9 | FS 53@ 2F+ | | | | | 1 | | | | | | | 1 | 1 | | 11 | 11 | 1 | 11 | | | | | | | | | |
| 10 | FS 54@ 3Ft | | 1/1 | / 1 | 1 | 17 | | | | | | | | | | | W | | (1) | | | | | | | | | |

| Relinquished By: | 8-23.72 | Received By: | Fax Res | | 2 No | Add'l Fax #: | |
|------------------------------|----------|--------------------------|---------|-----------|------|--------------|-----|
| Moranting | Time: 55 | Sallara osla | REMAR | | | | |
| Relinquished By: | Date: | Received By: | emai | l results | | | |
| | Time: | | | | | | |
| Delivered By: (Circle One) | 3c) (- | Sample Condition CHECKED | | | | | - 1 |
| Sampler - UPS - Bus - Other: | 4.70 | 4 Pyes Pyes | | | | | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Received by OCD: 6/21/2023 7:17:51 AM

Released to Imaging: 11/21/2023 1:49:26 PM

RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name: Etech Environmental & Safety Solutions | | | | | | | | | | | al | ILL | 70 | | | | | AN | ALYS | IS RE | QUE | ST | | |
|--|-------------------------|--------|-------------|-----------------|--------------|-------------|------------|------|--------|--------|------------|--------------------|------|-------|------|----------|---------|---------|------|-------|-----|----|--|--|
| Project Manage | Tance (| ren 5h | cw | | | | | | | | D. #: | | | | | | | | | | | | | |
| Address: 261 | | | | | | | | | | Co | mpa | ny: / | me | Wali | me | 1 | | | | | | | | |
| City: Hobbs | | | State: NM | Zij | p: 88 | 324 | 0 | | | Att | tn: (| can | 101 | Wali | Ker | 1 | | | | | | | | |
| Phone #: (575) | 264-9884 | | Fax#: | | | | | | | | dres | | | | | 1 | | | | | | | | |
| Project #: 160 | 075 | | Project Own | er: | | | | | | Cit | y: | | | | | | S | 8 | | | | | | |
| Project #: 160 Project Name: | Top Gun | Fed | Sw0 #1. | | | | | | | Sta | ate: | | Zip: | | | ge | 15 | 2, | | | | | | |
| Project Location | n: | | | | | | | | | Ph | one | #: | | | | Chloride | (8015M) | (8021B) | | | | | | |
| Sampler Name: | Anon 7 | 105 | | | | | | | | Fa | x #: | | | | | 글 | 8 | × | | | | | | |
| FOR LAB USE ONLY | | | | T | Т | | h | IATR | ıχ | | PRE | SERV | / S | AMPLI | IG | 0 | TPH | BTEX | | | | | | |
| Lab I.D. HZ73863 11 12 13 14 15 | | mple | l.D. | (G)RAB OR (C)OM | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE | OTHER: | ACID/BASE: | ICE/COOL OTHER: | | ATE | TIME | | T | B. | | | | | | |
| 11 | FS 55 | 0 | 3Ft | | X | | | X | | | | | 8 | 23-22 | | X | X | X | | | | | | |
| 12 | FS 58 FS 58 FS 58 | 0 | 2Ft | | X | | | X | | | | | | 1 | | Y | X | × | | | | | | |
| 13 | FS 59 | 6 | 3Ft | | X | | | V | | | | | 1 | 11 | | 1 | X | 4 | | | | | | |
| 14 | FS 58 FS 59 | 6 | 2Ft | | 1 | L | 1 | X | | | | | \ | | | A | Y | Y | | | | | | |
| 15 | FS 59 | 0 | 2Ft | | V | L | | 4 | | | | | 5-8 | 13-22 | | × | × | X | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | L | | L | | | | | | | _ | | | | | | | | | | | |
| | | | | 1 | | L | | 1 | 1 | | | | | | | | | | | | _ | - | | |
| | | | | 1 | | | | 1 | - | | | | | | | | | | | | | | | |
| | nd Damages, Cardinal's | | | | | | | | | | | | | | | | | | | | | | | |

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: | Received By: | 201 | Phone Result: | ☐ Yes | Z No | Add'l Phone #: |
|----------------------------|-----------|--------------------|-------------|---------------|-------|------|----------------|
| | 8-33-22 | | 111111 | Fax Result: | ☐ Yes | Z No | Add'l Fax #: |
| 2 V/ 1/- | Time: | Mayor - 1 1 | NO BULON | REMARKS: | | | |
| Moron Kis | 1600 | muita or | age | | | | |
| Relinquished By: | Date: | Received By: | | email resu | ılts | | |
| | | | | 0111011111000 | | | |
| | Time: | | | | | | |
| | | | | | | | |
| Delivered By: (Circle One) | 3: 10-0.6 | c Sample Condition | CHECKED BY: | | | | |
| 013 | 200 | Cool Intact | (Initials) | | | | |
| Sampler UPS - Bus - Other: | 4.70 H | 1/2 Pres Pres | 40. | | | | |
| | 711- 11 | □ No □ No | 1 | | | | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



August 30, 2022

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 08/25/22 16:52.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

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

Received: 08/25/2022

08/30/2022

Sampling Date:

08/25/2022

Reported: Project Name:

Sampling Type: Sampling Condition: Soil

Project Number:

TOP GUN FEDERAL SWD 1 16075

Sample Received By:

Cool & Intact Shalyn Rodriguez

Project Location:

MEWBOURNE

Sample ID: FS 60 @ 4' (H223928-01)

| 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 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.8 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.2 | % 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



08/25/2022

Cool & Intact

Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/25/2022 Reported:

08/30/2022 Sampling Type: TOP GUN FEDERAL SWD 1 Sampling Condition:

Sampling Date:

Sample Received By:

Project Name: Project Number: 16075

Project Location: **MEWBOURNE**

Sample ID: FS 61 @ 9' (H223928-02)

| 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 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | 15.9 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | 21.1 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.5 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 9 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/25/2022 Reported: 08/30/2022

ma/ka

Sampling Date: 08/25/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1

Sampling Condition: Cool & Intact

Project Number: 16075
Project Location: MEWBOURNE

Sample Received By: Shalyn Rodriguez

Sample ID: FS 62 @ 3' (H223928-03)

RTFY 8021R

| B1EX 8021B | тд/кд | | Anaiyze | Analyzed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 592 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



08/25/2022

Cool & Intact Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/25/2022 Reported: 08/30/2022

5/2022 Sampling Date: 5/2022 Sampling Type:

Sampling Condition:

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 63 @ 2' (H223928-04)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 118 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

08/25/2022

ma/ka

Sampling Date: 08/25/2022

Reported: 08/30/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE

Sample ID: FS 64 @ 2' (H223928-05)

Received:

RTFY 8021R

| BIEX 8021B | тд/кд | | Anaiyze | Analyzed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 73.5 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.2 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 08/25/2022 Reported: 08/30/2022

TOP GUN FEDERAL SWD 1

mg/kg

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/25/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 65 @ 2' (H223928-06)

BTEX 8021B

| DILX GOZID | ilig/ kg | | Allulyzo | Analyzed by: 3117 | | | | | |
|--------------------------------------|----------|-----------------|-----------------|-------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.2 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/25/2022 Reported: 08/30/2022 Sampling Date: 08/25/2022

Project Name: TOP GUN FEDERAL SWD 1

Sampling Type: Soil
Sampling Condition: Cool 8

Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

ma/ka

Sample ID: FS 66 @ 2' (H223928-07)

RTFY 8021R

| B1EX 8021B | тд/кд | | Anaiyze | Analyzed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.3 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/25/2022 Reported: 08/30/2022 Sampling Date: 08/25/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition:

Project Number: 16075

Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 67 @ 2' (H223928-08)

| BTEX 8021B | mg/kg | | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.0 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 08/25/2022
 Sampling Date:
 08/25/2022

 Reported:
 08/30/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE

ma/ka

Sample ID: FS 68 @ 2' (H223928-09)

RTFY 8021R

| BIEX 8021B | тд/кд | | Analyzed By: JH/ | | | | | | |
|--------------------------------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.3 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.2 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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08/25/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/25/2022 Sampling Date: Reported: 08/30/2022 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 69 @ 2' (H223928-10)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.2 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 08/25/2022 Reported: 08/30/2022

TOP GUN FEDERAL SWD 1

ma/ka

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/25/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 70 @ 2' (H223928-11)

RTFY 8021R

| BIEX 8021B | тд/кд | | Anaiyze | Analyzed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 528 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.3 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/25/2022 Reported: 08/30/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/25/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS 71 @ 2' (H223928-12)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | < 0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 % | 6 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 624 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.1 9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 121 % | 6 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/25/2022 Reported: 08/30/2022 Sampling Date: 08/25/2022

Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Project Number: 16075

Sampling Condition: Sample Received By: Cool & Intact Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 41 @ 7' (H223928-13)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.5 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.1 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/25/2022 Reported: 08/30/2022 Sampling Date: 08/25/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Number: 16075 Project Location: **MEWBOURNE**

Sample ID: FS 45 @ 7' (H223928-14)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.13 | 106 | 2.00 | 2.16 | |
| Toluene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.12 | 106 | 2.00 | 2.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/29/2022 | ND | 2.05 | 103 | 2.00 | 2.11 | |
| Total Xylenes* | <0.150 | 0.150 | 08/29/2022 | ND | 6.43 | 107 | 6.00 | 2.80 | |
| Total BTEX | <0.300 | 0.300 | 08/29/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 08/29/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/26/2022 | ND | 200 | 99.8 | 200 | 0.784 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/26/2022 | ND | 214 | 107 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/26/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.3 | % 46.3-17 | 8 | | | | | | |

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Released to Imaging: 11/21/2023 1:49:26 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name: Etech Environmental & Safety Solutions | BILL TO | ANALYSIS REQUEST |
|--|--|-------------------------------|
| Project Manager: Lance Cronshau | P.O. #: | |
| Address: 2617 West Marland | Company: Mey buse | |
| City: Hobbs State: NM Zip: 88240 | Attn: Conner Walker | |
| Phone #: (575) 264-9884 Fax #: | Address: | |
| Project #: 160 75 Project Owner: | City: | |
| Project Name: Top Gun Fed SWO #1. | State: Zip: | |
| Project Location: | Phone #: | Chloride H (8015M) EX (8021B) |
| Sampler Name: Auron Plos | Fax#: | |
| FOR LAB USE ONLY MATRIX | PRESERV. SAMPLING | R B TEX |
| #CONTAINERS GROUNDWATER WASTEWATER SOIL OIL | SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: | |
| (FS 60 60 4F1 X X | 8-25-22 | y y x |
| 2 B G @ 9F1 | | |
| 3 FS 62 @ 3FH | | |
| 4 FS 63 @ 2Ft 5 FS 64 @ 2Ft | | |
| | | |
| 6 FS 65 © 2Ft | | |
| 7 FS 66 @ 2Ft | | |
| 8 FS 67 @ 2Ft 9 FS 68 @ 2Ft | | |
| | 111111111111111111111111111111111111111 | |
| /U FS G9 @ 2 Ft V V PLEASE NOTE: Liability and Damages, Cardinate Sability and client's exclusive remedy for any claim arising whether based in co | tract or text, shall be limited to the amount paid by the client | tter the |

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| Relinquished By: | Date: | Received By: | Phone Result: | ☐ Yes | Z No | Add'l Phone #: |
|---------------------------------|-----------|---|---------------|-------|------|----------------|
| | | | Fax Result: | ☐ Yes | Z No | Add'l Fax #: |
| | Time: | | REMARKS: | _ | | |
| Relinquished By: | Date: USO | Received By: | email resu | ults | | |
| Delivered By: (Circle One) 2. L | 1.8° # | Sample Condition CHECKED BY: Cool Intact (Initials) Yes Yes No No | | | | |

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Received by OCD: 6/21/2023 7:17:51 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name | Etech I | Environn | nental | & Safety Solu | tions | | | | | П | | | All | LL TO | | | | | ANALYSIS REQ | JEST |
|--------------------------|-----------------|-----------------|-----------|-----------------------|-----------------|--------------|-------------|------------|----------|----------|-------------|------------|---------|-----------------|----------------------|----------|-------------------------|----------|--------------|------|
| Project Manage | r: Lanc | e Cr | enst | naw | | | | | | | P.O. | | | | | | | | | |
| Address: 261 | 7 West I | Marlan | d | | | | | | | | Com | pan | y: % | Mewl | ourne | 1 | | | | |
| City: Hobbs | | | | State: NM | Ziç | : 88 | 3240 |) | | | Attn: | (Co | nn | or wa | lker | 1 | | | | |
| Phone #: (575 | 264-988 | 4 | | Fax #: | | | | | | | Add | | | | | 1 | | | | |
| Project #: 160 | | | | Project Own | er: | | | | | | City: | | | | | 1 | $\overline{\mathbf{z}}$ | 0 | | |
| Project Name: | TOP GO | in F | ed : | SWD #1. | | | | | | | State | a : | | Zip: | | 8 | TPH (8015M) | (8021B) | | |
| Project Locatio | n: | | | | | | | | | | Phor | ne# | | | | Chloride | 30 | 8 | | |
| Sampler Name: | Aarev | 1 1/1 | àS | | | | | | | | Fax | Ø: | | | |] ਵੱ | = | × | | |
| FOR LAB USE ONLY | | | | | 1. | Г | | M | ATRI | X | P | RES | ERV. | SAMPI | ING | 10 | 늅 | BTEX | | |
| Lab I.D. | | Samp | le 1.C |). | (G)RAB OR (C)OM | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE | OTHER: | ICE / COOL | OTHER; | DATE | TIME | | — | B | | |
| // | FS | 70 | @ | 2 Ff | | X | | | X | | 1 | | | 835.0 | 7 | X | X | X | | |
| 12 | FS FS | 71 | | 2 FT | 1 | | | | | | 1 | | | 1 | | 1 | 1 | 1 | | |
| 13 | FS | 41 | | 77 | - | L | | _ | 1 | | 1 | 1 | | | | 1 | 1 | 1 | | |
| 14 | FS | 45 | 6 | 7Ft | + | | | - | - | - | + | + | + | 1 | - | 1 | - | <u> </u> | | |
| | <u> </u> | | | | + | \vdash | \vdash | + | + | \vdash | + | + | +- | | - | | | - | | |
| | | | | | + | H | | + | + | \vdash | + | + | + | | | - | | | | |
| | | | | | + | Н | | + | + | H | | - | - | | | | - | | | |
| | | | | | + | 1 | | + | + | | + | + | | | 1 | | | - | | |
| | | | | | + | 1 | | - | + | | + | + | 1 | | | | - | | | |
| PLEASE NOTE: Liability a | nd Damagas, Car | rdinafa šabilih | and dieni | 's embusive remedy fo | r any clar | en arris | ing who | other ba | sed in o | orer act | or tort, si | half be | fimiled | to the amount p | aid by the client fo | or the | _ | | | |

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| Relinguished By: | Date: | Received By: | Phone Result: Yes No Add'l Phone #: |
|------------------------------|------------|-----------------------------|--|
| | | | Fax Result: Yes 2 No Add'l Fax #: |
| | Time: | | REMARKS: |
| Relinquished By: | Date: | Received By: | email results |
| Down Kins | Time: 1,52 | 8/6 dr-guery | |
| Delivered By: (Circle One) | 10-010 | Sample Condition CHECKED'B' | Y: |
| 2.4 | 10.0 | Cool Intact (Initials) | 1 |
| Sampler - UPS - Bus - Other: | 180 # | Yes Yes | |
| | 1-11-11 | | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



September 01, 2022

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 08/26/22 16:35.

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

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

Method EPA 552.2 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)

Celey D. Keene

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

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions

Project: TOP GUN FEDERAL SWD 1

Reported: 01-Sep-22 16:09

2617 W MARLAND HOBBS NM, 88240 Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|-----------------|-----------------|
| FS 72 @ 3' | H223949-01 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |
| FS 73 @ 3' | H223949-02 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |
| FS 74 @ 2' | H223949-03 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |
| FS 75 @ 2' | H223949-04 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |
| FS 76 @ 2' | H223949-05 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |
| FS 77 @ 2' | H223949-06 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |
| FS 78 @ 2' | H223949-07 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |
| FS 79 @ 3' | H223949-08 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |
| FS 80 @ 2' | H223949-09 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |
| FS 81 @ 2' | H223949-10 | Soil | 26-Aug-22 00:00 | 26-Aug-22 16:35 |

09/01/22 - Client added Chloride to sample -07 (see COC). This is the revised report and will replace the one sent on 08/31/22.

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Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 72 @ 3' H223949-01 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------------------------------------|---------------|------|--------------------|------------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | ıl Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 176 | | 16.0 | mg/kg | 4 | 2083013 | AC | 30-Aug-22 | 4500-Cl-B | |
| Volatile Organic Compounds | by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | " | | 113 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by C | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 101 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 106 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 73 @ 3' H223949-02 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|--------------------------------------|---------------|------|--------------------|-----------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | l Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 144 | | 16.0 | mg/kg | 4 | 2083013 | AC | 30-Aug-22 | 4500-Cl-B | |
| Volatile Organic Compounds | by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID |)) | | 114 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by C | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 97.0 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 105 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 74 @ 2' H223949-03 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------------------------------------|--------------|------|--------------------|-----------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | l Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 80.0 | | 16.0 | mg/kg | 4 | 2083013 | AC | 30-Aug-22 | 4500-Cl-B | |
| Volatile Organic Compounds b | y EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 113 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 146 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 158 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 75 @ 2' H223949-04 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|--------------------------------------|---------------|------|--------------------|-----------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | l Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 64.0 | | 16.0 | mg/kg | 4 | 2083013 | AC | 30-Aug-22 | 4500-Cl-B | |
| Volatile Organic Compounds | by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID |)) | | 114 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by C | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 93.5 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 102 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 76 @ 2' H223949-05 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|-------------------------------------|-----------------|------|--------------------|-----------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | l Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 96.0 | | 16.0 | mg/kg | 4 | 2083013 | AC | 30-Aug-22 | 4500-Cl-B | |
| Volatile Organic Compounds | s by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (Pl | D) | | 114 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 98.8 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 106 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 77 @ 2' H223949-06 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|-------------------------------------|-----------------|------|--------------------|------------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | ıl Laborat | tories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 144 | | 16.0 | mg/kg | 4 | 2083013 | AC | 30-Aug-22 | 4500-Cl-B | |
| Volatile Organic Compound | s by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (P. | ID) | | 113 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 114 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 121 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 78 @ 2' H223949-07 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|--------------------------------------|---------------|------|--------------------|-----------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | l Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 416 | | 16.0 | mg/kg | 4 | 2090112 | AC | 01-Sep-22 | 4500-Cl-B | |
| Volatile Organic Compounds | by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID |)) | | 116 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by C | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 85.8 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 92.9 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 79 @ 3' H223949-08 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|-------------------------------------|---------------|------|--------------------|-----------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | l Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 256 | | 16.0 | mg/kg | 4 | 2083013 | AC | 30-Aug-22 | 4500-Cl-B | |
| Volatile Organic Compounds | by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PI | D) | | 112 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 89.3 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 94.6 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 80 @ 2' H223949-09 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|-------------------------------------|-----------------|------|--------------------|------------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | ıl Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 480 | | 16.0 | mg/kg | 4 | 2083013 | AC | 30-Aug-22 | 4500-Cl-B | |
| Volatile Organic Compound | s by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (Pi | TD) | | 113 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 101 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 107 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

FS 81 @ 2' H223949-10 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------------------------------------|------------|------|--------------------|------------|----------|---------|---------|-----------|-----------|-------|
| | | | Cardina | ıl Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 416 | | 16.0 | mg/kg | 4 | 2083013 | AC | 30-Aug-22 | 4500-Cl-B | |
| Volatile Organic Compounds by | EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 115 % | 69.9 | -140 | 2082937 | JH/ | 30-Aug-22 | 8021B | |
| Petroleum Hydrocarbons by GC | C FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 94.6 % | 45.3 | -161 | 2082913 | MS | 30-Aug-22 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 101 % | 46.3 | -178 | 2082913 | MS | 30-Aug-22 | 8015B | |

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Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

Inorganic Compounds - Quality Control

Cardinal Laboratories

| Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------|--------------------|--|----------------|--------------------------------|---------------------------|--------------------------------|---|---|---|
| | | | | | | | | | |
| | | | Prepared & | : Analyzed: | 30-Aug-22 | | | | |
| ND | 16.0 | mg/kg | | | | | | | |
| | | | Prepared & | Analyzed: | 30-Aug-22 | | | | |
| 448 | 16.0 | mg/kg | 400 | · | 112 | 80-120 | | · | · |
| | | | Prepared & | Analyzed: | 30-Aug-22 | | | | |
| 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | 3.64 | 20 | |
| | | | | | | | | | |
| | | | Prepared & | : Analyzed: | 01-Sep-22 | | | | |
| ND | 16.0 | mg/kg | | | | | | | |
| | | | Prepared & | Analyzed: | 01-Sep-22 | | | | |
| 416 | 16.0 | mg/kg | 400 | | 104 | 80-120 | | | |
| | | | Prepared & | : Analyzed: | 01-Sep-22 | | | | |
| 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | 3.77 | 20 | |
| | ND 448 432 ND 416 | Result Limit ND 16.0 448 16.0 432 16.0 ND 16.0 416 16.0 | ND | Result Limit Units Level | Prepared & Analyzed: ND | Prepared & Analyzed: 30-Aug-22 | Result Limit Units Level Result %REC Limits | Result Limit Units Level Result %REC Limits RPD | Result Limit Units Level Result %REC Limits RPD Limit |

Cardinal Laboratories *=Accredited Analyte

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%REC

Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Spike

Source

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|---------------------------------------|--------|-------|-------|-------------|-----------|-------------|-----------|------|-------|-------|
| Batch 2082937 - Volatiles | | | | | | | | | | |
| Blank (2082937-BLK1) | | | | Prepared: 2 | 29-Aug-22 | Analyzed: 3 | 30-Aug-22 | | | |
| 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) | 0.0570 | | mg/kg | 0.0500 | | 114 | 69.9-140 | | | |
| LCS (2082937-BS1) | | | | Prepared: 2 | 29-Aug-22 | Analyzed: 3 | 30-Aug-22 | | | |
| Benzene | 2.04 | 0.050 | mg/kg | 2.00 | | 102 | 83.4-122 | | | |
| Toluene | 2.03 | 0.050 | mg/kg | 2.00 | | 101 | 84.2-126 | | | |
| Ethylbenzene | 1.96 | 0.050 | mg/kg | 2.00 | | 98.0 | 84.2-121 | | | |
| m,p-Xylene | 4.10 | 0.100 | mg/kg | 4.00 | | 103 | 89.9-126 | | | |
| o-Xylene | 2.01 | 0.050 | mg/kg | 2.00 | | 101 | 84.3-123 | | | |
| Total Xylenes | 6.11 | 0.150 | mg/kg | 6.00 | | 102 | 89.1-124 | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0554 | | mg/kg | 0.0500 | | 111 | 69.9-140 | | | |
| LCS Dup (2082937-BSD1) | | | | Prepared: 2 | 29-Aug-22 | Analyzed: 3 | 30-Aug-22 | | | |
| Benzene | 1.91 | 0.050 | mg/kg | 2.00 | | 95.7 | 83.4-122 | 6.24 | 12.6 | |
| Toluene | 1.89 | 0.050 | mg/kg | 2.00 | | 94.5 | 84.2-126 | 7.02 | 13.3 | |
| Ethylbenzene | 1.83 | 0.050 | mg/kg | 2.00 | | 91.7 | 84.2-121 | 6.58 | 13.9 | |
| m,p-Xylene | 3.87 | 0.100 | mg/kg | 4.00 | | 96.7 | 89.9-126 | 5.85 | 13.6 | |
| o-Xylene | 1.93 | 0.050 | mg/kg | 2.00 | | 96.3 | 84.3-123 | 4.33 | 14.1 | |
| Total Xylenes | 5.79 | 0.150 | mg/kg | 6.00 | | 96.6 | 89.1-124 | 5.35 | 13.4 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0555 | | mg/kg | 0.0500 | | 111 | 69.9-140 | | | |

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%REC

Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: TOP GUN FEDERAL SWD 1

Spike

Source

Project Number: 16075

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 01-Sep-22 16:09

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|---|--------|-------|-------|-------------|-----------|-------------|-----------|------|-------|-------|
| Batch 2082913 - General Prep - Organics | | | | | | | | | | |
| Blank (2082913-BLK1) | | | | Prepared: 2 | 29-Aug-22 | Analyzed: 3 | 30-Aug-22 | | | |
| 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 | 44.4 | | mg/kg | 50.0 | | 88.8 | 45.3-161 | | | |
| Surrogate: 1-Chlorooctadecane | 46.8 | | mg/kg | 50.0 | | 93.5 | 46.3-178 | | | |
| LCS (2082913-BS1) | | | | Prepared: 2 | 29-Aug-22 | Analyzed: 3 | 30-Aug-22 | | | |
| GRO C6-C10 | 194 | 10.0 | mg/kg | 200 | | 97.2 | 76.8-124 | | | |
| DRO >C10-C28 | 217 | 10.0 | mg/kg | 200 | | 108 | 74.9-127 | | | |
| Total TPH C6-C28 | 411 | 10.0 | mg/kg | 400 | | 103 | 77.5-124 | | | |
| Surrogate: 1-Chlorooctane | 51.7 | | mg/kg | 50.0 | | 103 | 45.3-161 | | | |
| Surrogate: 1-Chlorooctadecane | 55.1 | | mg/kg | 50.0 | | 110 | 46.3-178 | | | |
| LCS Dup (2082913-BSD1) | | | | Prepared: 2 | 29-Aug-22 | Analyzed: 3 | 30-Aug-22 | | | |
| GRO C6-C10 | 202 | 10.0 | mg/kg | 200 | | 101 | 76.8-124 | 3.85 | 17.2 | |
| DRO >C10-C28 | 221 | 10.0 | mg/kg | 200 | | 110 | 74.9-127 | 1.73 | 18.6 | |
| Total TPH C6-C28 | 423 | 10.0 | mg/kg | 400 | | 106 | 77.5-124 | 2.74 | 17.6 | |
| Surrogate: 1-Chlorooctane | 60.7 | | mg/kg | 50.0 | | 121 | 45.3-161 | | | |
| Surrogate: 1-Chlorooctadecane | 61.4 | | mg/kg | 50.0 | | 123 | 46.3-178 | | | |

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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. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 16 of 17

Received by OCD: 6/21/2023 7:17:51 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name | LIGGII LI IVII OTILIBEI | ntal & Safety Solul | tions | | | | | | | 8 | IL.E | 70 | | | | | ANAI | LYSIS | RE | QUES | ST | |
|--------------------------------|-------------------------|---------------------|-----------------|--------------|-------------|------|-----|--------|------------|------------|------|--------|------|----------|---------|---------|------|-------|----|------|----|--|
| Project Manage | Tance Creashe | w | | | | | | P | 0. # | | | | | | | | | | | | | |
| | 7 West Marland | | | | | | | C | omp | any: / | Me | Wbo | urne | | | | | | | | | |
| City: Hobbs | | State: NM | Zip | : 88 | 240 | | | | | | | wa | | 1 | | | | | | | | |
| Phone #: (575) | 264-9884 | Fax #: | | | | | | A | ddre | ss: | | | | | | | | | | | | |
| Project #: 160 | | Project Owne | er: | | | | | C | ity: | | | | | | S | 00 | | | | | | |
| | TOP GUN Fed | | | | | | | S | ate: | | Zip |): | | g | (8015M) | (8021B) | | | | | | |
| Project Location | | | | | | | | P | hone | #: | | | | E | 000 | 8 | | | | | | |
| | Aaron Rios | | | | | | | F | X #: | | | | | Chloride | 3 | × | | | | | | |
| FOR LAB USE ONLY | | | T | | | MAT | RIX | | PR | SER | 4 | SAMPLI | VG. | 10 | TPH | BTEX | | | | | | |
| Lab I.D. <i>H223949</i> | Sample | I.D. | (G)RAB OR (C)OM | # CONTAINERS | GROUNDWATER | SOIL | OIL | SLUDGE | ACID/BASE: | ICE / COOL | | DATE | TIME | | - | m | | | | | | |
| - (| FS 72 | @ 3F4 | | X | | X | | | | | 8 | 26-22 | | X | X | Y | | | | | | |
| 2 | FS 73 | 63F1 | | X | | X | | | | | 1 | 1 | | X | X | X | | | | | | |
| 3 | FS 74 | 62 F1 | | X | | X | | | | | | | | X | X | X | | | | | | |
| 4 | FS 75 FS 76 | 624 | | X | | X | | | | | | | | X | X | X | | | | | | |
| 5 | FS 76 | 628 | | X | | X | | | | | | | | X | X | X | | | | | | |
| 6 | FS 77 | @ 1 Ft | | X | | X | | | | | | | | X | X | X | 91 | 102 | | | | |
| 7 | FS 78 | 6) 21 | | X | | X | | | | | | | | V | X | X | 91 | | | | | |
| 8 | FS 79 | @ 3 Ft | | × | | × | | | | | 1 | | | X | × | X | | | | | | |
| | FS 79 FS 80 | @2F | | Y | | X | | | | | 8- | 26-22 | | × | X | X | | | | | | |
| 10) | | @ 2F+ | | X | | X | | | | | 8 | 26-22 | | X | K | X | | | | | | |

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| Relinguished By: | Date: | Received By: | Phone Result: | ☐ Yes | Z No | Add'l Phone #: |
|------------------------------|----------|------------------------------|---------------|-------|------|----------------|
| | | | Fax Result: | ☐ Yes | Z No | Add'I Fax #: |
| | Time: | | REMARKS: | | | |
| Relinquished By: | 8te 2622 | Received/By: | email res | ults | | |
| i Foron Nies | Time 35 | Tayara Maastal | | | | |
| Delivered By: (Circle One) | / | Sample Condition CHECKED BY: | 1 | | | |
| Sampler - UPS - Bus - Other: | 4.0° 3.4 | Cool Intact (Initials) | | | | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



September 02, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 08/30/22 16:45.

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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/30/2022 Sampling Date: 08/30/2022

Reported: 09/02/2022 Sampling Type: Soil Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Coo

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Applyand By 14

Project Location: MEWBOURNE

Sample ID: FS 82 @ 2' (H223980-01)

DTEV 0021D

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.15 | 108 | 2.00 | 3.87 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.09 | 104 | 2.00 | 3.57 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 3.02 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.30 | 105 | 6.00 | 2.41 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 211 | 106 | 200 | 2.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 213 | 107 | 200 | 0.500 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.2 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

Received: 08/30/2022 Reported: 09/02/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/30/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 83 @ 2' (H223980-02)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.14 | 107 | 2.00 | 1.43 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.07 | 104 | 2.00 | 1.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 1.84 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.32 | 105 | 6.00 | 1.48 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 211 | 106 | 200 | 2.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 213 | 107 | 200 | 0.500 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.1 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.2 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/30/2022 Sampling Date: 08/30/2022

Reported: 09/02/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 16075 Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 84 @ 2' (H223980-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.14 | 107 | 2.00 | 1.43 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.07 | 104 | 2.00 | 1.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 1.84 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.32 | 105 | 6.00 | 1.48 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 211 | 106 | 200 | 2.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 213 | 107 | 200 | 0.500 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.4 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.6 | 26 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/30/2022 Reported: 09/02/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/30/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS 85 @ 2' (H223980-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.14 | 107 | 2.00 | 1.43 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.07 | 104 | 2.00 | 1.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 1.84 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.32 | 105 | 6.00 | 1.48 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 608 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 211 | 106 | 200 | 2.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 213 | 107 | 200 | 0.500 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.1 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.4 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/30/2022 Reported: 09/02/2022

TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 08/30/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS 86 @ 2' (H223980-05)

Project Name:

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.14 | 107 | 2.00 | 1.43 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.07 | 104 | 2.00 | 1.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 1.84 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.32 | 105 | 6.00 | 1.48 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 211 | 106 | 200 | 2.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 213 | 107 | 200 | 0.500 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.1 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.1 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/30/2022 Sampling Date: 08/30/2022

Reported: 09/02/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 87 @ 3' (H223980-06)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.14 | 107 | 2.00 | 1.43 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.07 | 104 | 2.00 | 1.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 1.84 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.32 | 105 | 6.00 | 1.48 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 211 | 106 | 200 | 2.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 213 | 107 | 200 | 0.500 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.4 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.9 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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08/30/2022

Cool & Intact

Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/30/2022 Reported: 09/02/2022

09/02/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Sampling Date:

Sample Received By:

Project Name: TOP GI Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 88 @ 2' (H223980-07)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.14 | 107 | 2.00 | 1.43 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.07 | 104 | 2.00 | 1.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 1.84 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.32 | 105 | 6.00 | 1.48 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 211 | 106 | 200 | 2.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 213 | 107 | 200 | 0.500 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.8 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.0 | % 46.3-17 | 8 | | | | | | |

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Shalyn Rodriguez

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/30/2022 Reported: 09/02/2022

08/30/2022Sampling Date:08/30/202209/02/2022Sampling Type:SoilTOP GUN FEDERAL SWD 1Sampling Condition:Cool & Intact

Sample Received By:

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 89 @ 2' (H223980-08)

| BTEX 8021B | mg, | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.14 | 107 | 2.00 | 1.43 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.07 | 104 | 2.00 | 1.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 1.84 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.32 | 105 | 6.00 | 1.48 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 192 | 96.0 | 200 | 2.57 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 183 | 91.7 | 200 | 1.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.3 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.5 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/30/2022 Reported: 09/02/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 08/30/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 90 @ 2' (H223980-09)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.14 | 107 | 2.00 | 1.43 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.07 | 104 | 2.00 | 1.50 | |
| Ethylbenzene* | < 0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 1.84 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.32 | 105 | 6.00 | 1.48 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 192 | 96.0 | 200 | 2.57 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 183 | 91.7 | 200 | 1.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.3 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/30/2022 Reported: 09/02/2022 Sampling Date: 08/30/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 91 @ 3' (H223980-10)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.14 | 107 | 2.00 | 1.43 | |
| Toluene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.07 | 104 | 2.00 | 1.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2022 | ND | 2.04 | 102 | 2.00 | 1.84 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2022 | ND | 6.32 | 105 | 6.00 | 1.48 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 08/31/2022 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2022 | ND | 192 | 96.0 | 200 | 2.57 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2022 | ND | 183 | 91.7 | 200 | 1.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 77.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.2 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Keene

E.

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101 East Marland, Hobbs, NM 88240

| Company Name | _ | ech Environ | | | | _ | nc. | | | | T | | | BI | L | LTO | | | | | | ANA | LYS | IS R | EQL | JEST | | | | |
|---|---|--|--|--|--|---|----------------------------|---------------|---------------------------------------|------|---------------------------------|---------|----------------------------|-----------------------------------|-----------------------|---|-----------------|--|-------------|---------|-----------|-----|-------------------|------------|-----|------|---|---|---|---|
| Project Manage | La | acc Cron | shaw | | | | | | | | P | .0. | #: | | | | | | | | | | | | | | | | | |
| Address: P.O | Box 3 | 01 | | | | | | | | | C | om | pan | y: 7 | m | cuberri | re | | | | | | | | | | | | | |
| City: Lovingto | n | | S | tate: NN | A Zi | p: 8 | 820 | 60 | | | A | ttn: | Co | nno | 1 | walke | 1 | | | | | | 1 | | | | | | | |
| Phone #: (575 | 396- | 2378 | F | ax #: (57 | 75) 396 | -142 | 9 | | | | | | ress | | | | | | | | | | | | | | | | | |
| Project #: 160 | 75 | | P | roject O | wner: | | | | | | C | ity: | | | | | | | | _ | | | | | | | | | | |
| Project Name: 7 | OP (| Sun Fed | Sw | 0#1. | | | | | | | S | tate | B: | | Zi | ip: | | ۰ | TPH (8015M) | (8021B) | | | | | | | | | | |
| Project Location | | | | | | | | | | | P | hor | ne # | : | | | | Chloride | 801 | 80 | | | | | | | | | | |
| Sampler Name: | Aaro | n Rios | | | | | | | | | F | ax i | #: | | | | | 동 | H | BTEX | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | T | T | | MAT | RIX | | P | RES | ERV | I | SAMPLI | NG | | F | 100 | | | | | | | | | | |
| Lab I.D. H223980 | 223980 (F5 82 @ 2 2 F5 83 @ 2 | | | | decorate de de de constitue de la constitue de | CONTAINERS | TOON MINERS | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE. | OTHER: | | DATE | TIME | | | | | | | | | | | | | |
| | F'S | 82 | @ | 2 | FH | X X X X S S S S S S S S S S S S S S S S | | | | T |) | (| 5 | 3-30-22 | | X | X | X | | | | | | | | | | | | |
| | | | | | FH | XXX | | | | 1 | 1 | | r |) | | 1 | 1 | Ti | | | | | | | | | | | | |
| 3 | F5 | 84 | (6) | 2 F | | | П | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | F5 | 85 | 63 | 2 + | + | | П | | | | | | | | | | | П | | | | | | | | | | | | |
| 5 | FS | 86 | 6 | 2 f | + | | П | | | | | | | | L | | | | | | | | | | | | | | | |
| 6 | f5 | 87 | (a) | 3 ft | | | П | | | | | | | | L | | | | | Ш | | | | | | | | | | |
| 7 | FS | 88 | (6) | 2 ++ | | | Ц | | | | | | | | L | | | | | 11 | | | _ | 1 | | 1 | - | _ | | |
| 8 | FS | 89 | (| 2 ++ | | | П | | | | | 1 | | | L | | | 1 | 11 | 1 | _ | _ | _ | 1 | - | 1 | - | _ | _ | |
| | FS | 90 | 6 | 2 ft | | 1 | U | | 1 | | | 1 | 1 | 6 | L | 11, | | 14 | 1 | 14 | - | | - | 1 | - | - | | - | - | |
| PLEASE NOTE: Liability as | F5 | 91 | 0 | 3 ft | | | V | | V | | | | | | L | 0 | | 10 | V | 10 | | | | | | | | | | _ |
| analyses, All claims including service. In no event shall conflictes or successors state Relinquished B | ng frome for ardinal be ng out of out /: | r regilgence and an Bable for Incidental of r related to the perfo | ry other cause or consequent armance of se | whethoever et all damages, it invices hereum Date: | shell be dealincheding will including will include by Card | med without fir | mitual mitual guardi | en of word By | made in nees into hother: /: | A C | g and re one, los daim is | e of us | d by C se, or I upon | erdinal lose of p arry of t | within around the air | in 30 days after to incurred by o bove stated re- | completion of t | ne applica ries, iso. Isuit: It: S: | □ Y | 98 | □ No □ No | Add | I Phon I Fax i | t : | | | | | | |
| Delivered By Sampler - UPS | (Cin | cle One) | 1.60 | JC-0 |).0 | Č | | Co | mple ol Yes | Inta | ditio ct Yes No | n | C | HEC (Ini | | D BY: | 10000 | and the state of | . 30411 | | | | | | | | | | | |

FORM-006 Revision 1.0

Received by OCD: 6/21/2023 7:17:51 AM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



September 07, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 09/01/22 16:51.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

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

Received: 09/01/2022 Reported: 09/07/2022

TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 09/01/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: FS 92 @ 2' (H224035-01)

Project Name:

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.05 | 103 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.03 | 101 | 2.00 | 11.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/03/2022 | ND | 1.97 | 98.5 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/03/2022 | ND | 6.14 | 102 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 09/03/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 384 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | ND | 190 | 94.9 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2022 | ND | 204 | 102 | 200 | 1.24 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 9 | 46.3-17 | 8 | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/01/2022 Reported: 09/07/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/01/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez

Sample ID: FS 93 @ 2' (H224035-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.05 | 103 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.03 | 101 | 2.00 | 11.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/03/2022 | ND | 1.97 | 98.5 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/03/2022 | ND | 6.14 | 102 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 09/03/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | ND | 190 | 94.9 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2022 | ND | 204 | 102 | 200 | 1.24 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 9 | 6 46.3-17 | 8 | | | | | | |

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09/01/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date:

Sampling Type:

Received: 09/01/2022 Reported: 09/07/2022

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes) Sample Received By: Project Number: 16075 Shalyn Rodriguez

Project Location: **MEWBOURNE**

Sample ID: FS 94 @ 4' (H224035-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.05 | 103 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.03 | 101 | 2.00 | 11.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/03/2022 | ND | 1.97 | 98.5 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/03/2022 | ND | 6.14 | 102 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 09/03/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | ND | 190 | 94.9 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2022 | ND | 204 | 102 | 200 | 1.24 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | 6 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/01/2022 Reported: 09/07/2022 Sampling Date: 09/01/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: 16075 Project Location: **MEWBOURNE** Sample Received By: Shalyn Rodriguez

Sample ID: FS 95 @ 2' (H224035-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.05 | 103 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.03 | 101 | 2.00 | 11.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/03/2022 | ND | 1.97 | 98.5 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/03/2022 | ND | 6.14 | 102 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 09/03/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | ND | 190 | 94.9 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2022 | ND | 204 | 102 | 200 | 1.24 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 9 | 6 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/01/2022 Reported:

09/07/2022

Project Name: TOP GUN FEDERAL SWD 1 Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/01/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez

Sample ID: FS 96 @ 2' (H224035-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.05 | 103 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 09/03/2022 | ND | 2.03 | 101 | 2.00 | 11.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/03/2022 | ND | 1.97 | 98.5 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/03/2022 | ND | 6.14 | 102 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 09/03/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2022 | ND | 190 | 94.9 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2022 | ND | 204 | 102 | 200 | 1.24 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.8 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 9 | 6 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/01/2022 Reported: 09/07/2022

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 09/01/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: FS 97 @ 4' (H224035-06)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/06/2022 | ND | 2.05 | 103 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 09/06/2022 | ND | 2.03 | 101 | 2.00 | 11.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/06/2022 | ND | 1.97 | 98.5 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/06/2022 | ND | 6.14 | 102 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 09/06/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/03/2022 | ND | 204 | 102 | 200 | 1.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/03/2022 | ND | 212 | 106 | 200 | 2.53 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/03/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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09/01/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/01/2022 Sampling Date: Reported: 09/07/2022 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)
Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 98 @ 3' (H224035-07)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/06/2022 | ND | 2.05 | 103 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 09/06/2022 | ND | 2.03 | 101 | 2.00 | 11.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/06/2022 | ND | 1.97 | 98.5 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/06/2022 | ND | 6.14 | 102 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 09/06/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/03/2022 | ND | 204 | 102 | 200 | 1.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/03/2022 | ND | 212 | 106 | 200 | 2.53 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/03/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.1 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.1 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

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

 Reported:
 09/07/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 99 @ 3' (H224035-08)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/06/2022 | ND | 2.05 | 103 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 09/06/2022 | ND | 2.03 | 101 | 2.00 | 11.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/06/2022 | ND | 1.97 | 98.5 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/06/2022 | ND | 6.14 | 102 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 09/06/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/03/2022 | ND | 204 | 102 | 200 | 1.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/03/2022 | ND | 212 | 106 | 200 | 2.53 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/03/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.1 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/01/2022 Reported: 09/07/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 09/01/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: FS 100 @ 4' (H224035-09)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2022 | ND | 2.00 | 100 | 2.00 | 9.28 | |
| Toluene* | <0.050 | 0.050 | 09/02/2022 | ND | 2.35 | 117 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2022 | ND | 2.34 | 117 | 2.00 | 17.2 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2022 | ND | 7.26 | 121 | 6.00 | 17.5 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/03/2022 | ND | 204 | 102 | 200 | 1.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/03/2022 | ND | 212 | 106 | 200 | 2.53 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/03/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.4 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.8 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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09/01/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/01/2022 Sampling Date: Reported: 09/07/2022 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)
Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 59 @ 3' (H224035-10)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2022 | ND | 2.00 | 100 | 2.00 | 9.28 | |
| Toluene* | <0.050 | 0.050 | 09/02/2022 | ND | 2.35 | 117 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2022 | ND | 2.34 | 117 | 2.00 | 17.2 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2022 | ND | 7.26 | 121 | 6.00 | 17.5 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 09/06/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/03/2022 | ND | 204 | 102 | 200 | 1.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/03/2022 | ND | 212 | 106 | 200 | 2.53 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/03/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.7 | % 46.3-17 | 8 | | | | | | |

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Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name | | | | ety Soluti | ons | , Inc | | | | | | | | BIL | LL TO | | | | | | | | ANA | LYS | IS I | REC | UE | ST | | | |
|---|--|-----------------|--------|----------------|------------------|----------------------------|-------------|------------|--------------------|---------------------|--------|-------------------|------------------|--------------------|---------------|----------------------|-----------------------|----------------------------|-------------|-------------|----|----|-------|---------------|------|--------|----|----|---|---|---|
| Project Manage | r. Jonce (| rens | kew | | | | | | | | P. | 0. # | : | | | | | | | Г | Т | | | | Т | \neg | | | | | |
| Address: P.O | . Box 301 | | | | | | | | | | Co | mp | any | : 1 | Newbo | ume | | | | | | | | | | - 1 | | | | | |
| City: Lovingto | on | | State: | NM : | Zip: | 88 | 260 | | | | | | | | rwa | | | | | | | | | | | - 1 | | | | | |
| Phone #: (575 | 5) 396-2378 | | Fax #: | (575) 39 | 6-1 | 429 | | | | | Ad | ldre | SS : | | | | | | | | | | | | | | | | | | |
| Project #: 160 | 75 | | Projec | t Owner: | | | | | | | Ci | ty: | | | | | | | | 1. | _ | | | | | | | | | | |
| Project Name: 7 | Top Gun | Fed | Swo | #1. | | | | | | | St | ate: | | | Zip: | | | 0 | TPH (8015M) | CACOON VOTO | 2 | | | | | | | | | | |
| Project Location | | | | | | | | | | | Ph | one | #: | | | | | Chloride | 801 | 00 | 9 | | | | | | | | | | |
| Sampler Name: | Acron 1 | ics | | | | | | | | | Fa | x #: | | | | | | E C | Ī | 2 | 4 | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | Г | | M | ATRI | X | | | | RV. | SAMPL | ING | | | F | 1 6 | 0 | | | | | | | | | | |
| Lab I.D. <i>H 2</i> 240 <i>3</i> 5 | Sar | mple l | .D. | | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIA | /E | | | | | | | | | | | | | | |
| 1 | f S | 92 | 6 | 2Ft | | X | | | X | | | Г | | | 9-1-22 | | | X | X | | X | | | | | | | | | | |
| | £5 | 93 | (a) | 24 | | 1 | | | | | | | | | 1 | | | 1 | 1 | 1 | | | | | | | | | | | |
| 3 | FS | 94 | (a) | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | f5 f5 f5 f5 f5 f5 | 95 | @ 6 |)H | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | f5 | | | .Ft | | | | | | | | | | | | | | | | | Ц | | | | | | | | | | |
| 5 | FS | | @ 4 | Ff | | Ш | | | | | | | | | | | | | Ц | Ц | | | | | | 1 | | | | 1 | |
| 2 | FS | | © 3 | | | 11 | | | | | 1 | | | Ш | | _ | | 4 | 1 | Ш | | | | | 1 | 4 | | | | 1 | |
| 788 | FS | | 6) 3 | Ft | | 11 | | | | _ | 1 | _ | | Ш | | _ | | 1 | 11 | П | | | | | + | 4 | | | _ | - | _ |
| 7 | +5 | | a 4. | | | U. | | | | + | - | ┡ | L | | 1 | - | | 1 | 111 | 11 | , | | | - | + | 4 | | | | + | - |
| 10 | FS | 59 | a 31 | | - 1-1 | V | | 1 | / | | 1 1 | | l bo fi | | | | To and Since | V | V | 1 | / | | | | | | | | | | |
| Relinquished B | cordinal be liable for inci- ing out of or related to the | dental or conse | Date: | ereunder by Co | Re | d limit d, rege ocei | ved | By: | interna ner suc | ptions, h clairr | loss o | of use, sed up | or less on an | on of promy of the | efficiency by | Phon Fax F REM | otherwise Re Resul | ios, io. sult: t: | □ Y | 98 | pm | No | Add'I | Phon Fax # | t: | | | | | | |
| Delivered By | - Bus - Oth | e)42-48 | 8.82 | #/ | <u></u> | 3 | | Cool | Int | tact | | < | | (Init | _ | | | | | | | | | | | | | | | | |

FORM-006 Revision 1.0 Page 13 of 13

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



September 09, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 09/02/22 16:51.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)

Sample Received By: Shalyn Rodriguez

Sample ID: FS 121 @ 2' (H224055-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.83 | 91.4 | 2.00 | 2.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.05 | 102 | 2.00 | 7.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.03 | 101 | 2.00 | 9.47 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 6.24 | 104 | 6.00 | 9.87 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 174 | 86.8 | 200 | 7.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 177 | 88.3 | 200 | 9.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.5 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 122 @ 2' (H224055-02)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.83 | 91.4 | 2.00 | 2.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.05 | 102 | 2.00 | 7.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.03 | 101 | 2.00 | 9.47 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 6.24 | 104 | 6.00 | 9.87 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 174 | 86.8 | 200 | 7.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 177 | 88.3 | 200 | 9.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.8 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP GUI Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)

Sample Possived By:

Shake Postigues

Sample Received By: Shalyn Rodriguez

Sample ID: FS 123 @ 2' (H224055-03)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.83 | 91.4 | 2.00 | 2.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.05 | 102 | 2.00 | 7.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.03 | 101 | 2.00 | 9.47 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 6.24 | 104 | 6.00 | 9.87 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 174 | 86.8 | 200 | 7.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 177 | 88.3 | 200 | 9.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:

09/02/2022 Reported: 09/09/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By:

Shalyn Rodriguez

Sample ID: FS 124 @ 2' (H224055-04)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.83 | 91.4 | 2.00 | 2.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.05 | 102 | 2.00 | 7.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.03 | 101 | 2.00 | 9.47 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 6.24 | 104 | 6.00 | 9.87 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 174 | 86.8 | 200 | 7.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 177 | 88.3 | 200 | 9.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By:

Shalyn Rodriguez

Sample ID: FS 125 @ 2' (H224055-05)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.83 | 91.4 | 2.00 | 2.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.05 | 102 | 2.00 | 7.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.03 | 101 | 2.00 | 9.47 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 6.24 | 104 | 6.00 | 9.87 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 174 | 86.8 | 200 | 7.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 177 | 88.3 | 200 | 9.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 | % 46.3-17 | <i>'</i> 8 | | | | | | |
| | | | | | | | | | |

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09/02/2022

** (See Notes)

Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date:

Sampling Type:

Received: 09/02/2022 Reported: 09/09/2022

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition:
Project Number: 16075 Sample Received By:

Project Location: MEWBOURNE

Sample ID: FS 126 @ 2' (H224055-06)

| BTEX 8021B | mg/kg | | Analyzed By: JH | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.83 | 91.4 | 2.00 | 2.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.05 | 102 | 2.00 | 7.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.03 | 101 | 2.00 | 9.47 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 6.24 | 104 | 6.00 | 9.87 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 174 | 86.8 | 200 | 7.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 177 | 88.3 | 200 | 9.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

Received: 09/02/2022 Reported: 09/09/2022 Sampling Date: 09/02/2022 Sampling Type: Soil

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Sampling Condition: ** (See Notes)

Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 127 @ 3' (H224055-07)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.83 | 91.4 | 2.00 | 2.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.05 | 102 | 2.00 | 7.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 2.03 | 101 | 2.00 | 9.47 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 6.24 | 104 | 6.00 | 9.87 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.8 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.1 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez

Sample ID: FS 128 @ 3' (H224055-08)

| BTEX 8021B | mg/kg | | Analyzed By: JH/ | | | | | | |
|--------------------------------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | QM-07 |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 118 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 9 | 6 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By:

Shalyn Rodriguez

Sample ID: FS 129 @ 3' (H224055-09)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | 13.8 | 10.0 | 09/07/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.3 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Sampling Date: 09/02/2022

Reported: 09/09/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 130 @ 2' (H224055-10)

| BTEX 8021B | mg, | 'kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)

Sample Received By: Shalyn Rodriguez

Sample ID: FS 111 @ 3' (H224055-11)

| BTEX 8021B | mg/ | kg | Analyzed By: JH/ | | | | | | |
|--------------------------------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.8 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.8 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 112 @ 2' (H224055-12)

| BTEX 8021B | mg | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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09/02/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Sampling Date:
Reported: 09/09/2022 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)
Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 113 @ 2' (H224055-13)

| BTEX 8021B | mg | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 114 @ 2' (H224055-14)

| 95.2 96.9 94.9 98.7 | 7 True Value QC 2.00 2.00 2.00 6.00 | RPD 11.5 12.7 11.5 10.8 | Qualifier |
|------------------------------|---|--|--|
| 96.9 94.9 | 2.00 2.00 | 12.7 11.5 | |
| 94.9 | 2.00 | 11.5 | |
| | | | |
| 98.7 | 6.00 | 10.8 | |
| | | | |
| | | | |
| | | | |
| | | | |
| Recovery | True Value QC | RPD | Qualifier |
| 104 | 400 | 0.00 | |
| | | | |
| Recovery | True Value QC | RPD | Qualifier |
| 92.4 | 200 | 4.97 | |
| 88.1 | 200 | 7.62 | |
| | | | |
| | | | |
| | | | |
| | 104 Recovery 92.4 | 104 400 Recovery True Value QC 92.4 200 | 104 400 0.00 Recovery True Value QC RPD 92.4 200 4.97 |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/02/2022 Sampling Date: 09/02/2022

Reported: 09/09/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 115 @ 2' (H224055-15)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.8 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 09/02/2022 Reported: 09/09/2022

09/09/2022 Sampling Type: So TOP GUN FEDERAL SWD 1 Sampling Condition: **

Sampling Date:

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075 Sample Received B
Project Location: MEWBOURNE

09/02/2022 Soil

** (See Notes)

Sample Received By: Shalyn Rodriguez

Sample ID: FS 116 @ 2' (H224055-16)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | ea By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | Analyzed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 117 @ 2' (H224055-17)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.2 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 118 @ 2' (H224055-18)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Shalyn Rodriguez

Sample Received By:

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Location: MEWBOURNE

16075

Sample ID: FS 119 @ 2' (H224055-19)

Project Number:

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | Analyzed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.1 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 9 | 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/02/2022 Sampling Date: 09/02/2022

Reported: 09/09/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 120 @ 2' (H224055-20)

| BTEX 8021B | mg | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | Analyzed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)
Project Number: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 101 @ 4' (H224055-21)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 09/08/2022 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 77.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 83.6 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 102 @ 3' (H224055-22)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | < 0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.5 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Shalyn Rodriguez

Sample Received By:

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Reported: 09/09/2022 Sampling Type: Soil
Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: 16075
Project Location: MEWBOURNE

Sample ID: FS 103 @ 2' (H224055-23)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|----------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 % 46.3-178 | | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 104 @ 3' (H224055-24)

| Analyte Result Reporting Limit Analyzed Method Blank BS Benzene* <0.050 0.050 09/08/2022 ND 1.90 | 95.2 | True Value QC 2.00 | RPD | Qualifier |
|--|--------------|-----------------------|------|-----------|
| Benzene* <0.050 0.050 09/08/2022 ND 1.9 | | 2.00 | | |
| | | 2.00 | 11.5 | |
| Toluene* <0.050 0.050 09/08/2022 ND 1.9 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* <0.050 0.050 09/08/2022 ND 1.90 | 90 94.9 | 2.00 | 11.5 | |
| Total Xylenes* <0.150 0.150 09/08/2022 ND 5.9 | 98.7 | 6.00 | 10.8 | |
| Total BTEX <0.300 0.300 09/08/2022 ND | | | | |
| Surrogate: 4-Bromofluorobenzene (PID 116 % 69.9-140 | | | | |
| Chloride, SM4500Cl-B mg/kg Analyzed By: AC | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS | S % Recovery | True Value QC | RPD | Qualifier |
| Chloride 112 16.0 09/08/2022 ND 432 | 108 | 400 | 0.00 | |
| TPH 8015M mg/kg Analyzed By: MS | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS | S % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* <10.0 10.0 09/08/2022 ND 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* <10.0 10.0 09/08/2022 ND 176 | 6 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 <10.0 10.0 09/08/2022 ND | | | | |
| Surrogate: 1-Chlorooctane 90.5 % 45.3-161 | | | | |
| Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178 | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/02/2022
 Sampling Date:
 09/02/2022

 Reported:
 09/09/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 105 @ 3' (H224055-25)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|------------------------|-----------------|------------|--------------|---------|------------|---------------|------|-----------|
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | ND 1.94 | | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.8 | % 46.3-17 | 8 | | | | | | |

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09/02/2022

** (See Notes)

Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

09/09/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Sampling Date:

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 106 @ 4' (H224055-26)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 185 | 92.4 | 200 | 4.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 176 | 88.1 | 200 | 7.62 | |
| EXT DRO >C28-C36 | <10.0 10.0 | | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.0 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022 Sampling Date: 09/02/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Project Number: 16075
Project Location: MEWBOURNE

Sample ID: FS 107 @ 3' (H224055-27)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|------------------------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 95.2 | 2.00 | 11.5 | |
| Toluene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.94 | 96.9 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2022 | ND | 1.90 | 94.9 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2022 | ND | 5.92 | 98.7 | 6.00 | 10.8 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 16.0 09/08/2022 | | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 190 | 95.1 | 200 | 6.79 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 184 | 91.8 | 200 | 10.0 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 70.4 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 71.0 | % 46.3-17 | 8 | | | | | | |

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09/02/2022

** (See Notes)

Shalyn Rodriguez

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

09/09/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Analyzed By: JH/

Sampling Date:

Sample Received By:

Project Name: TOP GUI Project Number: 16075

Project Location: MEWBOURNE

Sample ID: FS 108 @ 3' (H224055-28)

BTEX 8021B

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.92 | 96.0 | 2.00 | 16.7 | |
| Toluene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.96 | 97.8 | 2.00 | 17.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.93 | 96.6 | 2.00 | 16.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/07/2022 | ND | 6.06 | 101 | 6.00 | 16.9 | |
| Total BTEX | <0.300 | 0.300 | 09/07/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 118 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 190 | 95.1 | 200 | 6.79 | |
| DRO >C10-C28* | <10.0 10.0 | | 09/07/2022 | ND | 184 | 91.8 | 200 | 10.0 | |
| EXT DRO >C28-C36 | <10.0 10.0 | | 09/07/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.6 % 45.3-161 Surrogate: 1-Chlorooctadecane 79.3 % 46.3-178

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Celeg D. Freene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022 Sampling Date: Sampling Type: Soil

09/02/2022

Project Name:

TOP GUN FEDERAL SWD 1

Sampling Condition:

** (See Notes)

Project Number: Project Location: 16075

MEWBOURNE

Sample Received By:

Shalyn Rodriguez

Sample ID: FS 109 @ 2' (H224055-29)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.92 | 96.0 | 2.00 | 16.7 | |
| Toluene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.96 | 97.8 | 2.00 | 17.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.93 | 96.6 | 2.00 | 16.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/07/2022 | ND | 6.06 | 101 | 6.00 | 16.9 | |
| Total BTEX | <0.300 | 0.300 | 09/07/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 624 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 190 | 95.1 | 200 | 6.79 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 184 | 91.8 | 200 | 10.0 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.3 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.3 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 09/02/2022 Reported: 09/09/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By:

Shalyn Rodriguez

Sample ID: FS 110 @ 3' (H224055-30)

BTEX 8021B

| DILX OUZID | ıııg, | , kg | Andryzo | a by. 5117 | | | | | |
|--------------------------------------|------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.92 | 96.0 | 2.00 | 16.7 | |
| Toluene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.96 | 97.8 | 2.00 | 17.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.93 | 96.6 | 2.00 | 16.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/07/2022 | ND | 6.06 | 101 | 6.00 | 16.9 | |
| Total BTEX | <0.300 | 0.300 | 09/07/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 118 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 190 | 95.1 | 200 | 6.79 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 184 | 91.8 | 200 | 10.0 | |
| EXT DRO >C28-C36 | DRO >C28-C36 <10.0 | | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.3 % 45.3-16 | | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.5 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

TOD CLIN FEDERAL SWID 1

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)

Sample Received By: Shalyn Rodriguez

Sample ID: FS 131 @ 2' (H224055-31)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH/ | | | | | |
|--------------------------------------|------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.92 | 96.0 | 2.00 | 16.7 | |
| Toluene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.96 | 97.8 | 2.00 | 17.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.93 | 96.6 | 2.00 | 16.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/07/2022 | ND | 6.06 | 101 | 6.00 | 16.9 | |
| Total BTEX | <0.300 | 0.300 | 09/07/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 190 | 95.1 | 200 | 6.79 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 184 | 91.8 | 200 | 10.0 | |
| T DRO >C28-C36 <10.0 | | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.1 | % 46.3-17 | <i>'8</i> | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/02/2022 Reported: 09/09/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: FS 132 @ 2' (H224055-32)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.92 | 96.0 | 2.00 | 16.7 | |
| Toluene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.96 | 97.8 | 2.00 | 17.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/07/2022 | ND | 1.93 | 96.6 | 2.00 | 16.8 | |
| Total Xylenes* | <0.150 | 0.150 | 09/07/2022 | ND | 6.06 | 101 | 6.00 | 16.9 | |
| Total BTEX | <0.300 | 0.300 | 09/07/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/07/2022 | ND | 190 | 95.1 | 200 | 6.79 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/07/2022 | ND | 184 | 91.8 | 200 | 10.0 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/07/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.2 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/02/2022 Sampling Date: 09/02/2022

Reported: 09/09/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)

Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 85 @ 3' (H224055-33)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 192 09/08/2022 ND 432 108 400 0.00 16.0

Sample ID: FS 71 @ 3' (H224055-34)

Chloride, SM4500Cl-B Analyzed By: AC Reporting Limit Analyzed BS True Value QC RPD Qualifier Analyte Result Method Blank % Recovery Chloride 240 16.0 09/08/2022 432 400 0.00 ND 108

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

Notes and Definitions

| QR-04 | The RPD for the BS/BSD was outside of historical limits. |
|-------|---|
| 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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Page 36 of 39

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name | empany Name: Etech Environmental & Safety Solutions, Inc. | | | | | | | BILL TO | | | | | | | | | | A | NAI | _YSI | S R | EQUI | EST | | | | | |
|--|---|--|----------------------------|-----------------------------|---------------------|-------------------------------|---------------------|----------------------|---------------|------------|-----------------|-------------------|-----------------------|---------------------------|---|--|-------------|------|--------------|---------------|------|-------|-----|---|----|----|---|----------|
| Project Manager | . Jonee Cre. | nshaw | | | | | | | P.C |). #: | | | | | | | | | | | | | | | | | | |
| Address: P.O. | . Box 301 | | | | | | | | Co | mpa | any | : 41 | ne | wba | MAC | | | | -1 | | | | | 1 | | | | |
| City: Lovingto | on | State: NM | Zip | : 88 | 260 | | | | Att | n: (| cn | NCA | 1 6 | walk | cer | | | | | | | | | 1 | | | | |
| Phone #: (575 | 5) 396-2378 | Fax #: (575) 3 | 96-1 | 429 | | | | | Ad | dres | 55: | | | | | | | | | | | | | 1 | | | | |
| Project #: 160 | 075 | Project Owner | 4 | | | | | | Cit | y: | | | | | | | | | | | | | | 1 | 1 | | | |
| Project Name: | TOP GUN FO | d SWD# | 1_ | | | | | | Sta | ite: | | | Zip: | | | | SM) | 3 | SIEA (8021B) | | | | | | | | | |
| Project Location | | | | | | | | | Ph | one | #: | | | | | Chloride | TPH (8015M) | | | | | | | 1 | | | | |
| Sampler Name: | Aaron Rics | | | | | | | | Fa | c#: | | | | | | 등 | | 1 | ĭ l | | | | | | | | | |
| FOR LAB USE ONLY | | | Г | Γ | , | M | ATRI | X | PRESERV. SAME | | | | | AMPLI | NG | | F | | 20 | | | | | 1 | 1 | 1 | | |
| Lab I.D. | Sample | I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | D | ATE | TIME | | | | | | | | | | | | | |
| | FS 121 | (a) 2 ft | | X | | | (| | | | | | 9- | 2-22 | | X | X | X | | | | | | | | | | |
| à | FS 122 | @ 2 ft | | 1 | | | | | | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | |
| 300-4 | FS 123 | @ 2 Ft | | | | | | | | | | | | | - | | | | Ш | _ | | | | 1 | 1 | | | |
| 4 | FS 124 | @ 2 Ft | _ | \coprod | | \parallel | _ | - | | Щ | _ | 4 | | | | 1 | 4 | H | 4 | - | _ | | | - | - | - | | |
| 5 | FS 125 | © 2 F1 | | H | | \parallel | +- | - | _ | Н | | 4 | ш | | | \vdash | 4 | H | - | - | | | - | + | + | +- | - | - |
| ٤ | FS 126 | @ 3 Ft | H | H | | + | - | | | Н | | \dashv | - | | | \vdash | + | ₩ | + | \rightarrow | _ | - | + | + | + | | | \vdash |
| | fs 128 | (a) 3 ft | - | H | | -H | + | - | | Н | $\overline{}$ | \dashv | | - | | \vdash | H | H | + | - | | | + | + | +- | +- | - | \vdash |
| | FS 129 | @ 3ft | H | H | | + | + | | | | | + | 1 | 1 | | 1 | | H | + | + | | | + | + | + | + | - | |
| lo | FS 130 | @ 2 Ft | | \forall | | 1 | J | | | | | 1 | f | <i>y</i> | | V | V | 1 | / | \rightarrow | | | | + | + | + | 1 | |
| PLEASE NOTE: Liability an enalyses. All claims include service, in no event shall Co | d Damages, Cardinal's Sebility and ag those for negligence and any off ordinal be Suble for incidental or co ag out of or related to the performa (*) | her cause whetenever shall be o neequentel damages, including | withou withou ardina | d web at limb i, rege | ed unic stion, b | os mad uninens of whath | in well interrup | ing and silone, i | recei | wed by | Card or loss | and pro | ithin 30 offin inc | duye after curred by d | r completion of t liest, in subsidia | no application, no. acujit; it: | Ye | | □ N | | | Phone | | | | | | |
| Relinquished By CUTAN Delivered By: Sampler - UPS | (Circle One) | Pete: 22 | | 2/ | ved S | By: Cool | e Co | nditi | on | | (| ECKI (Initial) | | 34: | Please e | | esult | s to | pm(| Dete | chen | v.cor | n. | | | | | |

FORM-006 Revision 1.0

Received by OCD: 6/21/2023 7:17:51 AM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name | : Etec | h Environme | ental & Safety So | dutions | , Inc |). | | | \neg | | | A | 3 <i>1L</i> | L | TO | | | | | | | ANA | LYS | IS I | REC | QUE | ST | | | |
|---|--|---|--|--------------------------------------|---------------------------------|--------------------|--------------------|-------------------------|----------------------|-----------------|------------|-----------------|-------------------|-------------------------|------------------------|---|----------------------------------|-------------|-------|--------------|----------|--|--------|------|----------|-----|----|----------|----|---|
| Project Manage | r. Lan | ce Cre | nshaw | | | | | | | P.C |). #: | | | | | | | | T | | | | | T | | | | | | |
| Address: P.C | Box 30 | 1 | | | | | | | | Co | mpa | ıny: | m | neu | ubo | une | | | ı | | | | | | - 1 | | | | | |
| City: Lovingt | on | | State: NM | Zip | : 88 | 260 | | | | Att | n: (| 201 | in | cr | Wa | alker | | | ı | | | | | | | | | | | |
| | 5) 396-23 | | Fax #: (575 | | 429 | 1 | | | _ | | dres | | | | | | | | 1 | | | | | | | | | | | |
| Project #: /6 Project Name: | 075 | | Project Own | ner: | | | | | | City | y: | | | | | | | | | <u> </u> | | | | | | | | | | |
| Project Name: | TOP (| Sun Fe | d Swo # | 1 | | | | | | Sta | te: | | 2 | Zip: | | | 9 | TPH (8015M) | П | BTEX (8021B) | | 1 | | 1 | | | | | | |
| Project Locatio | n: | | | | | | | | | Pho | one | #: | | | | | Chloride | 80 | | 8 | | 1 | | | | | | | | |
| Sampler Name: | Acron | Kiss | | | | | | | | Fax | (#: | | | | | |] <u>=</u> | 표 | | Ĭ | | | | | - 1 | | | 1 | | |
| FOR LAB USE ONLY | LAB USE: ONLY | | | | | | M | ATRIX | K | | PRE | SEF | ₹V. | SA | MPL | NG | 1 | F | | 6 | | | | | | | | | 1 | |
| Lab I.D. | | Sample | l.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | D/ | ATE | TIME | | | | | | | | | | | | | | |
| (1 | FS | 111 | @ 3 F | + | X | | | X | | | | | | 9-2 | -22 | | X | X | | X | | | | | | | | | | |
| 12 | FS | 112 | @ 3 f | | 1 | | | | | | | | | - | | | 1 | | | 1 | | | | | | | | | | |
| 13 | F 5 | 113 | 6 2 ft | | 1 | | | | | Ц | | | 1 | | | | 1 | Н | 1 | 1 | | _ | | 1 | _ | | | | - | |
| 14 | 12 | 114 | 60 2 ft | | ₩ | Ш | | 4 | | | Ш | 4 | 4 | | | | 11- | 11 | + | + | | - | + | + | - | | - | 1 | + | + |
| 15 | FS | 115 | @ 2 Ft | | H | | - | | \vdash | _ | | - | + | - | | | - | H | + | + | | - | + | + | - | _ | | \vdash | + | + |
| 16 | FS 5 | 116 | 60 2 ft | - | H | \vdash | | + | | - | H | - | + | - | - | | + | - | + | + | | +- | + | + | - | - | | + | +- | + |
| 18 | FS FC | 1(7) | @ 2 Ft | _ | - | | | + | \vdash | - | | - | + | + | | _ | H | 1 | + | + | - | +- | + | + | - | | | 1 | + | |
| 19 | £5 | 119 | @ 2 H | | ₩ | | + | | | Н | Н | + | + | + | | | 1. | 1 | + | + | | | + | + | - | | | + | + | |
| 20 | £2 | 130 | @ 2 Ft | 1 | V | | 1 | 1 | | Н | Н | + | 1 | - | - | | V | V | 1 | V | | +- | | + | \dashv | | | 1 | | |
| analyses. All cleams includes service. In no event shall (| ing those for ne cardinal be liab ing out of or re | Cardinal's Sability an agligance and any o le for incidental or o | d client's exclusive remedy ther cause whatscover shall encoquented durages, inch ance of services hereunder Date: | l be deam uding with by Cardin | ed web out livel of, regs | red unicialism, it | ushous of whath | o die verbi Interrup | ing and stone, is | recel ces of | wed by | Card or loss | nel wil of pro | itala 30 d Olis Incu | days allo ared by c | r completion of t lient, in subsidir | to application, inc. Suit: | itto | | | No No | | l Phor | | | | | | | |
| | | | Time: | | | | | | | | | | | | | REMARK | | П | 100 | | NO | Pouru | ITGA | | | | | | | |
| Delivered By | (Circle | e One) 26 | Date: d'33 Time: US) 19°) C·0 22-3° | . W. # 11 | | ved | By: | e Co Inta | ndition of Yes No | on | ~ | CHE | CKE Initia | ED B | 0 | Please 6 | email | resul | lts t | o pr | n@e | teche | nv.co | m. | | | | | | |

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Received by OCD: 6/21/2023 7:17:51 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (E75) 392-2326 EAY (E75) 392-2476

| Company Name | : Etech Environmen | | | , Inc | · . | - | - | | | | 1 | BIL | L TO | | | | = | | AN | ALYS | IS R | REQU | EST | | | |
|---------------------------------------|---|-------------------------------------|-------------------|---|---------------------------------------|------------|---------------------------------|--|--------|---------------------------------|------------|----------------------------------|--|---|--|-------------|--------------|------|--------|---------|---------|------|-----|------------|---|---|
| | r. Lance Crens | how | | | | | | | P.(| D. #: | | | | | | | Г | T | T | | T | T | T | T | | |
| | . Box 301 | | | | | | | | Co | mpa | any: | 2 | newbo | ume | 1 | | | | | | 1 | | | | | |
| City: Lovingto | on | State: NM | Zip | : 88 | 260 | | | | Att | n: | on | 201 | walk | er | ĺ | | | | | | | | ĺ | 1 | | |
| Phone #: (575 | 5) 396-2378 | Fax #: (575) 3 | 96-1 | 429 | | | | | | dres | | 101 | | | | | | | | | | | | | | |
| Project #: 160 | | Project Owner | : | | | | | | Cit | | | | | | | | ١. | | | | | | 1 | | | |
| | TOP GUN Fed | Sup #1. | | | | | | | Sta | _ | | | Zip: | | | SM) | 0 7 | | | | | | 1 | | | |
| Project Location | | 3000 11 1 | | | | | | | | one | #: | | - | | Chloride | TPH (8015M) | DTEV (0024B) | | | 1 | | | 1 | | | |
| Sampler Name: | AuronRias | | | | | | | | | x #: | | | | | 흥 | Ĭ | 1 | | | | | | | 1 | | |
| FOR LAB USE ONLY | | | Г | | | M | ATRI | X | | PRI | ESE | RV. | SAMPL | NG | 1 | F | 6 | | | | | | | | | |
| Lab I.D. | Sample | I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME | | | | | | | | | | | | |
| 21 | FS 101 (| 6) 4 Ft | | X | | | X | | | | | | 9/2/22 | | X | X | X | | | | | | | | | |
| 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | FS 102 | 0 3 Ft | | 1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | |
| 23 | | 2 2 Ft | | П | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | @ 3 Ft | L | 11 | | | | | | | | | | | 11 | 1 | 1 | Ш | | | \perp | - | _ | - | | |
| 25 | | 6 3 Ft | L | Н | | | | | | | Ш | | | | 11 | 1 | 1 | 1 | - | + | + | + | + | + | - | |
| 26 | | Q 4 Ff | ┡ | 11 | | - | 4 | - | | | Н | | | | - | # | + | H | + | + | + | + | + | +- | - | - |
| 27 | | a 3 ft | ┞ | # | | - | - | + | | | | Н | | | - | + | + | H | + | + | + | + | + | +- | | - |
| -28 | FS 108 | | ₽ | H | \vdash | - | - | + | | | - | H | 11 | - | + | + | + | + | | +- | + | + | + | +- | | |
| 30 | FS 109 FS 110 | 6 3 Ft | H | W | | 1 | 1 | - | - | | | Н | | | 1 | 11/ | + | + | -+- | +- | - | + | + | $\dot{+}-$ | | |
| PLEASE NOTE: Liability a | ing those for negligence and say off- ardinal be liable for incidental or cov ing out of or related to the performanty: | client's exclusive remedy for a | deeming without R | im arisi ad wale ad limit al, rege BCOI | ng who nd uni ndon, b rdices | ther be | eed in c le in wi interru | ontract ting an pilone, n claim | or tor | t, shall shed by f une, o | to line | mited to final wi a of pro | o the amount pe thin 30 days off office incurred by a above stated in | id by the client to or completion of client, the subsidia secone or otherw Phone Re Fax Resu REMARK | in uplica nino, ino. esult: nit: | Y | | □ No | | "i Phor | | | | | | |
| Relinquished B | 1- | Date: 2-22 Time; ESI 19:10.0. | (2 | eceive C | | Samp | le Co | act | ion | - | | ECKI | ED BY: | Please (| email (| result | ts to | pm@ |)etech | env.co | m. | | | | | |

FORM-006 Revision 1.0 Page 38 of 39

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name | : Etech Er | vironmen | tal & Safety Solu | tions | , Inc | | | | T | | | BI | LL TO | | | | | | ANA | LYSI | S RE | QUE | ST | | | |
|------------------|--|------------------|--|--------------------|--------------|-------------|----------------------|----------|------------|--------------------|------------|-----------|---|--|----------------------|--------------------|--------------|----------|--------|-----------------|----------|----------|----|-----|---|--------|
| Project Manage | | Gen | show | | | | | | F | .O. | #: | | | | | | | | | | | | | | | |
| Address: P.C |). Box 301 | | | | | | | | C | om | pan | y: 4 | newbou | rne | | | | | | | | | | | | l i |
| City: Lovingto | on | | State: NM | Zip | : 88 | 260 | | | | | | | orutel | | | | | | | | | | | | | |
| Phone #: (57 | 5) 396-2378 | | Fax #: (575) | 396-1 | 429 | | | | | ddn | | | | | | | | | | | | | | | | |
| Project #: /6 | 075 | | Project Owne | r: | | | | | C | ity: | | | | | | | | | | | | | | | | |
| Project Name: | TOP GUN | Fed | SWD#1. | | | | | | S | tate | : | | Zip: | | 9 | TPH (8015M) | BTEX (8021B) | | | | | | | | | |
| Project Locatio | n: | | | | | | | | F | hon | e # | : | | | Chloride | 801 | (80 | | | | | | | | | |
| Sampler Name: | Aaron 7 | Ries | | | | | | | F | ax i | l: | | | | 등 | Ŧ | X | | 1 | | | | | . 1 | | |
| FOR LAB USE ONLY | | | | Τ. | | | MA | TRIX | | PI | RES | ERV. | SAMPLI | NG | 1 | F | B | 1 | | | | | | | | |
| Lab I.D. | Sa | ample I | I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | OIL | SLUDGE | ACID/BASE | ICE / COOL | OTHER: | DATE | TIME | | | | | | | | | | | | |
| 3 | FS | 131 | @ 27 | Т | X | | X | | | Т | | | 9/2/22 | | X | X | X | | | | | | | | | |
| 32 | FS | | @ 2+ | | X | | × | | | | | | | | X | X | X | | | | | | | | | |
| 33 | FS | 85 | 6 3ff | | X | |) | | | | | | U | | X | | | | | | | | | | | |
| 34 | £S. | 71 | @ 3A | | X | |) | 4 | | | 1 | | 9/2/22 | | 1 | | | | | _ | | _ | | | | \Box |
| | | | | 1 | | | | | | 1 | 1 | 1 | | | — | _ | _ | - | - | | - | <u> </u> | | | | |
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| | | | | + | ₽ | H | + | + | | + | + | 1 | | | \vdash | - | | - | +- | \vdash | \vdash | - | - | | | |
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| | ing those for negliger Cardinal be liable for i | ce and any othe | r cause whatsoover shall because the demonstrated terranges, include | e deem ng with: | nd web | ed unic | es mede usinees i | in with | ig and r | eceived a of us | by C | erdinal v | nithin 30 days all rolls incurred by | or completion of t client, its subsidis | the applica ulos, | ible | | | 1 | | | | | | | |
| Relinquished E | y: | o energentenance | Date: | R | ecei | ved | Ву: | or order | John House | D0000 | фон | aty Or to | | Phone Re | sult: | O Ye | | No No | | Phone Fax #: | | | | | | |
| | | | Time: | - | | | | | | | | | | REMARK | | LI TE | 15 L | J MO | Addi | rax #: | | | - | | | |
| Relinquished E | (Circle O | ne) 23 | Pate: 2-27 Time: 5 1 -9:) C-0 22-3:4 | .60 | 7800 | | By: | Inta | ct | n e | | | (ED BY) | Please 6 | email | result | s to p | m@e | techer | NV.COF | n. | | | | | |

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September 12, 2022

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 09/07/22 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Reported: 09/12/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 09/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: DFS 1. @ SURFACE (H224109-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.06 | 103 | 2.00 | 2.64 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 1.98 | 98.8 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.09 | 102 | 6.00 | 3.29 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1070 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 208 | 104 | 200 | 2.67 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 204 | 102 | 200 | 0.603 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.3 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.6 | % 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

09/07/2022

Reported: 09/12/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: DFS 1. @ 1' (H224109-02)

Received:

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.06 | 103 | 2.00 | 2.64 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 1.98 | 98.8 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.09 | 102 | 6.00 | 3.29 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1680 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 208 | 104 | 200 | 2.67 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 204 | 102 | 200 | 0.603 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.8 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.9 | % 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Reported: 09/12/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP G Project Number: 16075

Project Location: MEWBOURNE

Sampling Date: 09/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: DFS 1. @ 2' (H224109-03)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.06 | 103 | 2.00 | 2.64 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 1.98 | 98.8 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.09 | 102 | 6.00 | 3.29 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1570 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 208 | 104 | 200 | 2.67 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 204 | 102 | 200 | 0.603 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.0 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

09/07/2022 09/12/2022 Sampling Date:

09/06/2022

Reported: Project Name:

Received:

RTFY 8021R

TOP GUN FEDERAL SWD 1

Sampling Type:

Soil

Project Number:

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

16075

Project Location: **MEWBOURNE**

Sample ID: DFS 1. @ 3' (H224109-04)

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.06 | 103 | 2.00 | 2.64 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 1.98 | 98.8 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.09 | 102 | 6.00 | 3.29 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1360 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 208 | 104 | 200 | 2.67 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 204 | 102 | 200 | 0.603 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.7 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022 Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact

Sample Received By: Project Number: 16075 Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: DFS 1. @ 4' (H224109-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.06 | 103 | 2.00 | 2.64 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 1.98 | 98.8 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.09 | 102 | 6.00 | 3.29 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1420 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 208 | 104 | 200 | 2.67 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 204 | 102 | 200 | 0.603 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.9 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 16075 Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: DFS 1. @ 5' (H224109-06)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.06 | 103 | 2.00 | 2.64 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 1.98 | 98.8 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.09 | 102 | 6.00 | 3.29 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1680 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 208 | 104 | 200 | 2.67 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 204 | 102 | 200 | 0.603 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.4 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Reported: 09/12/2022 Sampling Date: 09/06/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: DFS 1. @ 6' (H224109-07)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.06 | 103 | 2.00 | 2.64 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 1.98 | 98.8 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.09 | 102 | 6.00 | 3.29 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 208 | 104 | 200 | 2.67 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 204 | 102 | 200 | 0.603 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.3 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: DFS 2. @ SURFACE (H224109-08)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3560 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/08/2022 | ND | 208 | 104 | 200 | 2.67 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2022 | ND | 204 | 102 | 200 | 0.603 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.3 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.8 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE

Sample ID: DFS 2. @ 1' (H224109-09)

BTEX 8021B

| DILX GOZID | ilig/ | , kg | Andryzo | .u Dy. 311 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2640 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 72.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.3 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: DFS 2. @ 2' (H224109-10)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1360 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 64.8 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 69.4 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE

Sample ID: DFS 2. @ 3' (H224109-11)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 107 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3360 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.2 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: DFS 2. @ 4' (H224109-12)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 9 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



09/06/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date:

Received: 09/07/2022 Reported:

09/12/2022 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 16075 Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: DFS 3. @ SURFACE (H224109-13)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 20000 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | 132 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | 20.4 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.6 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Reported: 09/12/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: DFS 3. @ 1' (H224109-14)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4560 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 9 | 6 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

09/07/2022 09/12/2022

TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: DFS 3. @ 2' (H224109-15)

Received:

Reported:

Project Name:

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9600 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.7 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil
Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact

Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: DFS 3. @ 3' (H224109-16)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2920 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.5 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: DFS 3. @ 4' (H224109-17)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 992 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.5 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 9 | 6 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

1 dx

Received: 09/07/2022 Reported: 09/12/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075
Project Location: MEWBOURNE

Sampling Date: 09/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: DFS 3. @ 5' (H224109-18)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 880 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | 72.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.5 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 9 | % 46.3-17 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Reported: 09/12/2022

TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: DFS 3. @ 6' (H224109-19)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | 15.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.1 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 9 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



09/06/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Sampling Date:
Reported: 09/12/2022 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: DFS 4. @ SURFACE (H224109-20)

| Benzene* <0.050 0.050 09/09/2022 ND 2.02 101 2.00 0.366 Toluene* <0.050 0.050 09/09/2022 ND 2.22 111 2.00 0.71 Ethylbenzene* <0.050 0.050 09/09/2022 ND 2.20 110 2.00 0.29 Total Xylenes* <0.150 0.150 09/09/2022 ND 6.91 115 6.00 0.57 Total BTEX <0.300 0.300 09/09/2022 ND Surrogate: 4-Bromofluorobenzene (PID 105 % 69.9-140 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Chloride A160 16.0 09/08/2022 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyzed By: MS GRO C6-C10* C10.0 10.0 09/09/2022 ND 207 103 200 2.55 GRO C6-C10* <10.0 10.0 09/09/2022 ND 207 103 200 2.55 Contact | BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|---|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Toluene* < 0.050 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Ethylbenzene* < 0.050 0.050 09/09/2022 ND 2.20 110 2.00 0.29 Total Xylenes* < 0.150 0.150 09/09/2022 ND 6.91 115 6.00 0.57 Total BTEX < 0.300 0.300 09/09/2022 ND Surrogate: 4-Bromofluorobenzene (PID 105 % 69.9-140 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 4160 16.0 09/08/2022 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* < 10.0 10.0 09/09/2022 ND 207 103 200 2.55 DRO >C10-C28* < 10.0 10.0 09/09/2022 ND 219 109 200 2.55 EXT DRO >C28-C36 < 10.0 10.0 09/09/2022 ND Surrogate: 1-Chlorooctane 86.2 % 45.3-161 | Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Total Xylenes* <0.150 | Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Total BTEX <0.300 0.300 09/09/2022 ND Surrogate: 4-Bromofluorobenzene (PID 105 % 69.9-140 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed By: AN Chloride 4160 16.0 09/08/2022 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Surrogate: 4-Bromofluorobenzene (PID 105 % 69.9-140 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 4160 16.0 09/08/2022 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD Analyzed By: MS Chloride 4160 16.0 09/08/2022 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD Analyzed Recovery True Value QC RPD Analyzed RPD Anal | Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 4160 16.0 09/08/2022 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 09/09/2022 ND 207 103 200 2.59 DRO >C10-C28* <10.0 10.0 09/09/2022 ND 219 109 200 2.59 EXT DRO >C28-C36 <10.0 10.0 09/09/2022 ND Surrogate: 1-Chlorooctane 86.2 % 45.3-161 | Surrogate: 4-Bromofluorobenzene (PID | 105 | % 69.9-14 | 0 | | | | | | |
| Chloride 4160 16.0 09/08/2022 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 09/09/2022 ND 207 103 200 2.59 DRO >C10-C28* <10.0 10.0 09/09/2022 ND 219 109 200 2.59 EXT DRO >C28-C36 <10.0 10.0 09/09/2022 ND Surrogate: 1-Chlorooctane 86.2 % 45.3-161 | Chloride | 4160 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| GRO C6-C10* <10.0 10.0 09/09/2022 ND 207 103 200 2.59 DRO >C10-C28* <10.0 10.0 09/09/2022 ND 219 109 200 2.59 EXT DRO >C28-C36 <10.0 10.0 09/09/2022 ND Surrogate: 1-Chlorooctane 86.2 % 45.3-161 | TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| DRO >C10-C28* | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| EXT DRO >C28-C36 <10.0 10.0 09/09/2022 ND Surrogate: 1-Chlorooctane 86.2 % 45.3-161 | GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| Surrogate: 1-Chlorooctane 86.2 % 45.3-161 | DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| | EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178 | Surrogate: 1-Chlorooctane | 86.2 | % 45.3-16 | 1 | | | | | | |
| | Surrogate: 1-Chlorooctadecane | 91.6 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Reported: 09/12/2022

09/07/2022Sampling Date:09/06/202209/12/2022Sampling Type:SoilTOP GUN FEDERAL SWD 1Sampling Condition:Cool & Intact

Sample Received By:

Project Name: TOP GU Project Number: 16075

Project Location: MEWBOURNE

Sample ID: DFS 4. @ 1' (H224109-21)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1150 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.3 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.4 | % 46.3-17 | '8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

09/07/2022 09/12/2022

Project Name: TOP GUN FEDERAL SWD 1 Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: DFS 4. @ 2' (H224109-22)

Received:

Reported:

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.4 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.4 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 16075 Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: DFS 4. @ 3' (H224109-23)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.8 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Reported: 09/12/2022

Sampling Date: 09/06/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: DFS 5. @ SURFACE (H224109-24)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 24400 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | 33.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.7 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Reported: 09/12/2022

09/07/2022Sampling Date:09/06/202209/12/2022Sampling Type:SoilTOP GUN FEDERAL SWD 1Sampling Condition:Cool & Intact

Project Name: TOP GUN FEDERAL SWD 1
Project Number: 16075

er: 16075 Sample Received By:

Project Location: MEWBOURNE

Sample ID: DFS 5. @ 1' (H224109-25)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1220 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.5 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/07/2022 Sampling Date: 09/06/2022

Reported: 09/12/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 16075 Tamara Oldaker

Project Location: **MEWBOURNE**

Sample ID: DFS 5. @ 2' (H224109-26)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.7 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/07/2022 Reported: 09/12/2022

Project Name: TOP GUN FEDERAL SWD 1 Project Number: 16075

Project Location: **MEWBOURNE** Sampling Date: 09/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: EWS 1. (H224109-27)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.02 | 101 | 2.00 | 0.360 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.22 | 111 | 2.00 | 0.713 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.20 | 110 | 2.00 | 0.299 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.91 | 115 | 6.00 | 0.570 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.8 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.1 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



09/06/2022

Soil

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date:

Sampling Type:

Received: 09/07/2022 Reported: 09/12/2022

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: NWS 5. (H224109-28)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.05 | 103 | 2.00 | 9.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2022 | ND | 2.06 | 103 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2022 | ND | 1.99 | 99.6 | 2.00 | 9.02 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2022 | ND | 6.19 | 103 | 6.00 | 8.91 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 09/08/2022 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/09/2022 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/09/2022 | ND | 219 | 109 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/09/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.3 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celeg & Frence



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

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RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name | | | | | | | | | | | | | | BIL | LL TO | | | | | | A | MALY | SIS | RE | QUE | EST | | | | |
|---|-----------------------|---------------|-----------|-----------------------------|------------------|--------------|-------------|------------|----------------|--|----------|------------|-------------|----------|------------------|---------------------|-------------|-------------|-------------|-----|----------------|---------|----------|----|-----|-----|---|---|-----|-----|
| Project Manage | r. Las | ne C | ren | Shaw | | | | | | | P. | 0. 1 | k: | | | | | | | | | | | | | | | | | |
| Address: P.C | | | | | | | | | | | C | omp | any | : 7 | Newba | nne | | | | | | | | | | | | | | |
| City: Lovingto | on | | | State: NM | Zip | : 88 | 260 | 0 | | | At | tn: (| 101 | nne | or well | Ker | 1 | | | | | | | | | | | | | - 1 |
| Phone #: (57 | 5) 396-23 | 78 | | Fax #: (575) | 396-1 | 429 |) | | | | A | idre | SS : | | | | 1 | | | 1 | | | - 1 | | | | 1 | | | - 1 |
| Project #: /60 | 75 | | | | Pr: | | | | | | Ci | ty: | | | | | 1 | | 1. | | - 1 | | - 1 | | 1 | | 1 | | | |
| Project Name: | TOP G | un t | ed | SWOHL. | | | | | | | St | ate: | | | Zip: | | | 5M | 200 | | 1 | | - 1 | | | | | | | |
| Project Location | | | | | | | | | | | PI | none | 9#: | | | | Chloride | TPH (8015M) | CALCOO VOTO | 3 | | | | | 1 | | | | | H |
| Sampler Name: | Agrei | 1 Ria | 5 | | | | | | | | Fa | x #: | | | | | 등 | H | 3 | 5 | - | | | | 1 | | | | | |
| FOR LAB USE ONLY | | | | | T | Г | Г | | MATI | SIX | | PR | ESE | RV. | SAMPL | ING | 1 | = | 1 | 5 | | | | | 1 | | | | | i |
| Lab I.D. <i>H22410</i> 9 | | Sam | ple l | I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME | | | | | | | | | | | | | | |
| 1 | DFS | 1. | 2 | Surface | Т | X | Γ | | X | | T | Г | | | 9-6-22 | | X | X | 1) | | | | | | | | | | | |
| 2 | DFS | | اشا | | | 1 | | | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | |
| | DES | 1. (| Es 2 | Ff | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| | DF5 | 1. | © 3 | F+ | | | | | 11 | 1 | | | | | | | 11 | | П | 1 | _ | 1 | | | - | - | + | + | - | |
| 5 | DF:5 | 1 | 69 4 | Ft | 1 | 1 | L | | | | 1 | 1 | | | | | 1/- | 1 | Ц | 1 | - | - | _ | | - | + | + | | + | - |
| | DFS | 1, | @ 5 | Ff | 1 | 1 | L | | | 4 | _ | ₽ | | | | | Ц- | 1 | H | 1 | + | + | _ | _ | + | - | + | + | -4- | _ |
| 7 | DES | | a, 6 | | 1 | # | L | | 1 | 1 | - | L | | | | - | Ц- | 1 | H | + | + | + | - | | - | + | + | + | -4- | _ |
| | DES | 2. | | Surface | 1 | 11 | - | | 1 | + | + | - | | \vdash | | - | Н- | 1 | H | + | + | + | \dashv | _ | + | + | + | + | + | - |
| 9 | DE5 | | @ 1 | FF | + | 1 | L | - | 1 | - | - | 1 | - | \vdash | | - | 1/ | 4 | 1 | + | + | + | - | _ | +- | + | + | + | + | - |
| PLEASE NOTE: Liability ar | DFS d Darrigona, G | antinals list | (Q) | L F† | any clai | V | ing wi | bother I | V I | contra | ct or to | rt, she | be fi | mited to | o the amount pe | id by the client fo | rthe | V | 1 | V | | _ | | | | _ | | | _ | - |
| anahman All claims behall | on those for a | rdinanca and | anu other | r course whetereuer shall b | o decem | nel mont | and ur | alama m | ede in s | elline e | ad me | ahead t | w Com | dinal w | Able 30 days of | or completion of | the applica | bin | | | | | | | | | | | | |
| eervice. In no event shall C affiliates or successors aris Relinquished B | ng out of or re | ated to the p | erformanc | Date: | Cardine | i, regi | vec | By | other st | ich clai | n la be | sed up | on an | y of the | n betate evode e | Phone Re | ioo. | D Ye | 96 | | o A | id'i Ph | one f | i: | | | | | | |
| Troiniquistica 5 | , | | | Time: | - | | | , . | | | | | | | | Fax Resu REMARK | ilt: | □ Ye | | □ N | A | id'i Fa | x #: | | | | | | | |
| Relinquished B | (Circle | | -3 | Date: 9-7-22 Time: 400 | 3 | 1 | la | By: | ple Collection | Condition of the condit | tion | la | | ECK! | ED BY: | Please 6 | email r | esult | s to | pm@ | g eteci | nenv. | com. | | | | | | | |

FORM-006 Revision 1.0 † Cardinal cannot accept verbai changes. Please fax written changes to 575-393-2476

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ARDINAL I

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

| CHAIN-OF-CUSTODY | AND | ANALYSIS | REQUEST |
|------------------|-----|-----------------|---------|
|------------------|-----|-----------------|---------|

| Company Name | | | AX (575) 393-24 tal & Safety Solu | _ | , Inc | 2. | | _ | _ | Т | | | BI | LL | TO | | | _ | _ | _ | | AN | ALYS | IS | RE | QU | EST | | | | _ |
|--|-------------------------------------|--|---|------------------|--------------|--------------|------------|---------|----------|---------|------------|------------|------------|-----------|------------|--------------------|----------|--------------|-------------|--------------|-----|-------|----------|-------|----|----|-----|---------|---|-----|---|
| Project Manage | | To Lence | Gren Shaw | , | | | | | | P. | O. # | | | | | | | T | T | | | T | T | T | | | T | T | | T | |
| Address: P.C |). Box 30 | 1 | 2,3,3,3 | | | | | | | Co | omp | any | : 7 | Me | wbou | ine | Ī | | | | | | | 1 | | | | | | - 1 | |
| City: Lovingt | on | | State: NM | Zip | : 88 | 260 | | | | | | | | | | Ker | 1 | 1 | - 1 | | | | | | | | | | | - 1 | |
| Phone #: (57 | 5) 396-23 | 178 | Fax #: (575) 3 | 96-1 | 429 | | | | | | idre | | | - | | | 1 | 1 | - 1 | | | | 1 | | | | | | | | |
| Project #: 160 | 275 | | Project Owne | r: | | | | | | Ci | ty: | | | | | | | | | | | | | 1 | | | | | | - 1 | |
| Project Name: | TOP (| Sun Fed | Swo #1. | | , | | | | | | ate: | | | Zip: | | | | | SM | 21B | | | | | | | | | | | |
| Project Locatio | | | | | | | | | | | none | | | | | | Chloride | 1 | ГРН (8015M) | BTEX (8021B) | | | | | | | | | | - 1 | |
| Sampler Name: | Aaren | Rios | | | | | | | | Fa | x #: | | | | | | 딩 | | Ĭ. | EX | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | Ι. | Г | | M | ATR | IX | | PR | ESE | RV. | S | AMPLI | NG | | 1 | = | E | | | | | | | | | | - 1 | |
| Lab I.D. #224109 | | Sample I | .D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | D | ATE | TIME | | | | | | | | | | | | | | | |
| 11 | DES | 2.63 | Ft | Г | X | | | X | | | Г | | | 9-6 | -22 | | X | 1 | | X | | | | T | | | | | | | |
| 12 | DFS | 2.641 | -+ | | 1 | | | | | | | | | | | | 1 | | | 1 | | | | I | | | | | | | |
| 13 | DES | 3,6550 | rface. | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | |
| 14 | DFS | 361. | Ft | L | 1 | | | | 1 | | L | | | | | | 1 | | | | | | - | 1 | | | _ | _ | _ | | |
| 15 | DES | 362 | Ff | 1 | 1 | | | | 1 | | | _ | | | | | 1 | 1 | П | 1 | | - | - | 1 | | | + | + | - | - | |
| 16 | DB | 303 | Ff | | 11 | | | 1 | 1 | - | 1 | | | _ | | | \perp | 1 | Н | - | _ | - | - | + | | | + | \perp | + | - | |
| 17 | DFS | 3 69 4 | FF | 1 | 1 | | | 1 | - | - | ₽ | - | | _ | | | L | +1 | | - | _ | + | - | + | | | + | + | + | - | |
| 18 | DFS | 3 6 5 | | 1 | 1 | | - | 1 | + | - | - | | - | H | | | 1 | \mathbb{H} | | + | | + | + | + | | _ | + | + | + | -4 | |
| 19 | DFS | 306 | | 1 | 1 | | - | - | + | - | ₽ | - | | - | | | 11- | 1 | 1 | 11 | - | + | + | + | _ | - | + | + | + | | |
| PLEASE NOTE: Liability a | UF) | 4. 6 Sc | In Fall | any clai | m eriel | ag who | ther be | ed in o | contrac | t or to | rt, she | l be li | mited t | to the ar | nount pair | by the client in | ΓΛ | 1 | V | <u> </u> | | _ | _ | _ | | | | | | | _ |
| enelyses. All claims includes service. In no event shall (| ing those for n cardinal be liab | egligence and any other to for incidental or come | cause whateover shall be equental damages, including | | | | | | | | | | | | | | | oldes | | | | | | | | | | | | | |
| service. In no event shell (affliates or successors aris Relinquished B | ing out of or re | lated to the performance | Date: | Re | cei | rdees /ed | By: | her suc | th claim | n je be | ood up | 708 AN | y of the | e above | stated re- | Phone Re | sult: | | Yes | | No | Add | 1 Phor | 10 #: | | _ | | _ | | _ | |
| | | | 71me: | - | | | | | | | | | | | | Fax Resu REMARK | | | Yes | | No | Add | 'I Fax i | k | | | | | | | |
| Relinquished B | (Circle | | Date: 9-7-22 Time: 1400 | | | | By: | Int | act | | de | | ECK (Initi | ED B | Y: | Please e | emai | resi | ults | to pr | n@e | teche | env.co | m. | | | | | | | |
| | | | / 1 | 11. |) | | | 10 | 1 14 | 0 | | - | | _ | _ | | | _ | _ | _ | | | | _ | _ | _ | | | _ | | |

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RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | | | | | | | | BI | LL TO | | | | | | | AN | IAL | YSIS | RE | QUE | EST | | | | |
|--|---|--|------------------|-------------------|---------------------|-----------------|----------|---------|------------------|------------------|------------------|--------------------|--------------------------------------|--------------------|------------------------------------|--------------------|-------------|--------------|------|--------|--------------------|-----|-----|-----|---|---|---|---|
| Project Manage | r. Lance Cren | Show | | | | | | | P.(| 0. # | : | | | | | | | | Т | \top | \neg | | | | | T | T | |
| Address: P.O | . Box 301 | | | | | | | | Co | mp | any | 1: 7 | Mewi | вои | me | | | | | | | | | | | 1 | | |
| City: Lovingto | on | State: NM | Zip | 88 | 260 | | | | | | | | d wo | | | | | | | | - 1 | | | | | | | 1 |
| Phone #: (575 | 5) 396-2378 | Fax #: (575) 3 | 96-1 | 429 | | | | | Ad | dre | \$ 5: | | | | | | | | | | | | | | | | | |
| Project #: 160 | | Project Owner | | | | | | | Cit | y: | | | | | | | | _ | | | | | | | 1 | | | |
| Project Name: | TOP Gun Fed | Sw0 #1. | | | | | | | Sta | ate: | | | Zip: | | | 0 | 5M) | 218 | | | | | | | | | | |
| Project Location | | | | | | | | | Ph | one | #: | | | | | Chloride | TPH (8015M) | BTEX (8021B) | | | | | | | | | | |
| Sampler Name: | Aaron Rias | | | | | | | | Fa | x #: | | | | | | Chi | Ĭ. | X | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | M | ATRI | X | | PR | ESE | RV. | SAMPL | LING | | | 1 | B | | | | | | | | 1 | | |
| Lab I.D. <i>H224109</i> | Sample I | .D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | DATE | | TIME | | | | | | | | | | | | | |
| | DFS 4. 61 F | t | | X | | | 1 | | | | | | 9-6-22 | | | Y | X | K | | | | | | | | | | |
| 22 | DFS 4. @ 2F | | | X | | 3 | | | | | | | | | | X | × | X | | | | | | | | | | |
| 23 | DFS 4.63F | t | | K | | 1 | | | | | | | | | | X | X |) | | | | | | | | | | |
| | DFS S. 60 SU | Trece | | X | | 1 | 4 | | | | | | | | | × | × | X | | | | | | | | | | |
| | DFS 5.601. | Ft | | У | | _ | 2 | | | | | | | | | X | 2 | 1 | 1 | | | | | | | | | |
| 24 | DFS S. a. 2. | Ft | | У | | J | | | | | | | | | | X | X | X | | | | | | | | | | |
| 24 27 | Eus 1. | | | y | | 3 | (| | | | | | | L | | X | 4 | X | | | | | | | | | | |
| 28 | NWS 5. | | | X | | | 1 | | | | | | 9-6-22 | 1 | | × | X | × | | _ | 4 | | | _ | _ | - | | _ |
| | | | | | | | 1 | | | | | | | 1 | | | | | - | _ | 1 | | | | | - | - | _ |
| nelyses. Alt claims includir ervice. In no event shall Co | of Damages, Cardinal's šability and of ag those for negligence and any other ardinal be liable for incidental or conse ag out of or related to the performance | cause whatsoever shall be o equental damages, including | lesme withou | d waiv d ihulb | ed unle ution, b | oo mad wineo | e in wri | ptions, | d rece lass o | ived by fune, | y Care or les | dinal w a of pr | ithin 30 days of oits incurred by | for co y client | mpletion of th t, its subsidier | o applical les, | ala | | 1 | | | | | | 1 | | | |
| Relinquished By | | Date: | | | ved | | | | | | | | | F | hone Res ax Resul EMARKS | sult: t: | ☐ Ye | | □ No | | id'i Pi id'i Fa | | #: | | | | | |
| Relinquished By Defivered By: | Key | Date: 7-22 Time: 400 | | 1 | Wed S | (O) | | | | Va | CH | ECK | ED BY: | PI | lease e | mail r | esults | s to p | om@ | etech | env. | com | ١. | | | | | |
| Sampler - UPS - Bus - Other: Cool Intal Yes | | | | | | Yes | s 0 | | Y | 0 | | | witton | hance | ne to f | E7E : | 03.2 | 476 | | | | | | | | | | |

Revision 1.0

Released to Imaging: 11/21/2023 1:49:26 PM

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September 13, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 09/09/22 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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

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

 Reported:
 09/13/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)
Project Number: Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: FS 109 @ 3' (H224160-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/13/2022 | ND | 416 | 104 | 400 | 3.77 | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

RDINAL LABORATORIES

| ompany Name: Etech Env | vironmental & Safety Solu | tions | , Inc | | | | | | BI | LL TO | 44 | | | | ANAL | YSIS F | REQUE | ST | |
|---|---|------------------|----------------------|-----------------------|------------|----------|----------|----------|------------|---|-----------------------|---------------------|-------------|--------------|-------|---------|-------|-----|-----|
| oject Manager: | Cranihan | | | | | | P.C | D. #: | | | | | | | | | | T | T |
| ddress: 2617 W Marland | | | | | | | Co | mpar | ny / | Nowhow. | ne | | | | | | | | |
| ty: Hobbs | State: NM | Zip | : 882 | 40 | | | Att | n: (6 | nox | Nowbort. | - | | | | | | | 1.4 | - 1 |
| none #: (575) 264-9884 | Fax #: | | | | | | | dress | | | | | | | 1 1 | | | 1 1 | |
| roject #: /6075 | Project Owne | r: | | | | | Cit | y: | | | | | | | | | | 1 1 | |
| roject Name: Top Gen | Fed SUD 1 | 2 - | 1 | | | | Sta | ite: | | Zip: | | | SM) | 21B | | | | | |
| oject Location: | | | | | | | Ph | one i | F: | | | Chloride | TPH (8015M) | BTEX (8021B) | | | | | |
| ampler Name: David | Robinson | | | | | | Fax | c#: | | | | S. | F | Ĭ, | | | | 1 1 | |
| OR LAB USE ONLY | | | П | | MAT | SIX | | PRES | SERV. | SAMPLI | NG | | F | 18 | | | | 1 1 | - 1 |
| 1224160 | mple I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | | SLUDGE | OTHER: | | | DATE | TIME | | | | | | | | |
| 1 FS 1 | 09 at 34 | | 1 | 4 | X | | | 1 | У | 9-9-22 | 12:00 par | X | | | | | | | |
| | | | | | | | | | | | | | | | | | | | _ |
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| ASE NOTE: Liability and Damages, Cardinal's yses, All claims including those for negligence ice. In no event whell Cardinal be liable for incide also or successors arising out of or related to the | and any other cause wheteoever shall be entel or consequental demages, including | deeme | i webec t finited | uniess : on, busin | made in v | uptions, | d receiv | red by C | cardinal w | ithin 30 days after office incurred by o | completion of the | ne applicat ies, | ble | | | | | | |
| linguished By: | Date: | | | ed By | | | | | , | 775 344.00 104 | Phone Re Fax Resul | sult: | ☐ Ye | | | hone #: | | | |
| | Time: | | | | | | | | | | REMARKS | | □ 1e | S LI MO | Addit | dA #. | | | |
| linguished By: | Date: 27 | Re | ceiv | ed By | / : | | - | 1 | | | | | | | | | | | |

Sampler UPS - Bus - Other:

Sample Condition Cool Intact

Yes Yes

No No

(Initials)

Please email results and copy of CoC to pm@etechenv.com.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 Revision 1.0



February 27, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: TOP GUN FEDERAL SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 02/23/23 16:20.

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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 02/23/2023 Sampling Date: 02/23/2023
Reported: 02/27/2023 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

A I J D. ... 711

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 6 @ SURFACE (H230862-01)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.06 | 103 | 2.00 | 0.379 | |
| Toluene* | < 0.050 | 0.050 | 02/24/2023 | ND | 1.99 | 99.4 | 2.00 | 0.882 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.92 | 95.9 | 2.00 | 0.411 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.87 | 97.9 | 6.00 | 0.527 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 30800 | 16.0 | 02/24/2023 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 237 | 118 | 200 | 19.7 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 218 | 109 | 200 | 17.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 02/23/2023 Reported:

02/27/2023 TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: MEWBOURNE - EDDY CO NM Sampling Date: 02/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: DFS 6 @ 1' (H230862-02)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.06 | 103 | 2.00 | 0.379 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.99 | 99.4 | 2.00 | 0.882 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.92 | 95.9 | 2.00 | 0.411 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.87 | 97.9 | 6.00 | 0.527 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 02/24/2023 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 237 | 118 | 200 | 19.7 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 218 | 109 | 200 | 17.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 9 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 02/23/2023 Sampling Date: 02/23/2023
Reported: 02/27/2023 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 7 @ SURFACE (H230862-03)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.06 | 103 | 2.00 | 0.379 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.99 | 99.4 | 2.00 | 0.882 | |
| Ethylbenzene* | < 0.050 | 0.050 | 02/24/2023 | ND | 1.92 | 95.9 | 2.00 | 0.411 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.87 | 97.9 | 6.00 | 0.527 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8130 | 16.0 | 02/24/2023 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 237 | 118 | 200 | 19.7 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 218 | 109 | 200 | 17.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 02/23/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 7 @ 1' (H230862-04)

RTFY 8021R

| B1EX 8021B | mg, | ^и кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.06 | 103 | 2.00 | 0.379 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.99 | 99.4 | 2.00 | 0.882 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.92 | 95.9 | 2.00 | 0.411 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.87 | 97.9 | 6.00 | 0.527 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 02/24/2023 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 9 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 02/23/2023 Sampling Date: 02/23/2023 Reported: 02/27/2023 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 7 @ 2' (H230862-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | QM-07 |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 9 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

02/23/2023

Sampling Date:

02/23/2023

Reported: Project Name: 02/27/2023

Sampling Type:

Soil

Received:

TOP GUN FEDERAL SWD 1

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location: 16075

MEWBOURNE - EDDY CO NM

Sample ID: DFS 8 @ SURFACE (H230862-06)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 832 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | 37.6 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 9 | % 49.1-14 | 8 | | | | | | |

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*=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 02/23/2023 Reported:

Sampling Date: 02/23/2023 02/27/2023 Sampling Type: Soil

Project Name: Project Number:

TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: 16075 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 8 @ 1' (H230862-07)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3600 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 9 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 02/23/2023 Sampling Date: 02/23/2023
Reported: 02/27/2023 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 8 @ 2' (H230862-08)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 02/23/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 16075 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 8 @ 3' (H230862-09)

| BTEX 8021B | mg, | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 9 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 02/23/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 16075 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 8 @ 4' (H230862-10)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX | <0.300 | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 9 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 02/23/2023 Reported: 02/27/2023

TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: MEWBOURNE - EDDY CO NM Sampling Date: 02/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: DFS 9 @ SURFACE (H230862-11)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--|--------------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX | <0.300 0.300 | | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 14600 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane 98.5 % 48.2-1. | | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 9 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

Received: 02/23/2023

Sampling Date: 02/23/2023
Sampling Type: Soil

Reported: 02/27/2023 Project Name: TOP GUN FEDERAL SWD 1 Sampling Type: Soil
Sampling Condition: Cool 8

Project Number: 16075

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 9 @ 1' (H230862-12)

RTFY 8021R

| BIEX 8021B | mg, | /кд | Anaiyze | а ву: ЈН | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | <0.150 | 0.150 | 02/24/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| tal BTEX <0.300 0.300 | | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 02/23/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 10 @ SURFACE (H230862-13)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------------------------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/24/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/24/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | al Xylenes* <0.150 0.150 | | 02/24/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX <0.300 0.3 | | 0.300 | 02/24/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 28800 16.0 | | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 114 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 02/23/2023 Reported: 02/27/2023

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 02/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: DFS 10 @ 1' (H230862-14)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|----------------------------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/25/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/25/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | Ethylbenzene* <0.050 0.050 | | 02/25/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | I Xylenes* <0.150 0.150 | | 02/25/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| otal BTEX <0.300 0.300 | | 02/25/2023 | ND | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2360 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.7 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kreine



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 02/23/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact
Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 10 @ 2' (H230862-15)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------------------------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/25/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/25/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/25/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | al Xylenes* <0.150 0.150 | | 02/25/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX <0.300 | | 0.300 | 02/25/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 816 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

02/23/2023

Sampling Date:

Reported: Project Name:

Received:

02/27/2023 TOP GUN FEDERAL SWD 1 Sampling Type: Soil

Project Number: 16075

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

02/23/2023

Project Location:

MEWBOURNE - EDDY CO NM

Sample ID: DFS 10 @ 3' (H230862-16)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------------------------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/25/2023 | ND | 2.07 | 103 | 2.00 | 0.0375 | |
| Toluene* | <0.050 | 0.050 | 02/25/2023 | ND | 2.00 | 99.9 | 2.00 | 0.467 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/25/2023 | ND | 1.93 | 96.3 | 2.00 | 0.0880 | |
| Total Xylenes* | al Xylenes* <0.150 0.150 | | 02/25/2023 | ND | 5.86 | 97.7 | 6.00 | 0.812 | |
| Total BTEX | | 0.300 | 02/25/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.8 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 02/24/2023 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/24/2023 | ND | 176 | 88.2 | 200 | 4.17 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/24/2023 | ND | 177 | 88.5 | 200 | 2.14 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/24/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Notes and Definitions

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

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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keine

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

| Company Name | | itions, Inc. | BILL TO | ANALYSIS REQUEST |
|---|--|--|---|--|
| Project Manage | r. Toel Lowry | | P.O. #: | |
| Address: P.O | D. Box 301 | | Company: | |
| City: Lovingto | on State: NM | Zip: 88260 | Attn: | |
| Phone #: (57 | 5) 396-2378 Fax #: (575) | | Address: | |
| Project #: / | 075 Project Owne | ": Membeurae | City: | |
| Project Name: | TOP GUD FOR SWD & | 1001 | State: Zip: | 9 SW 9 SW |
| Project Location | Top Gun Fed SWD & | VPL | Phone #: | Chloride TPH (8015M) BTEX (8021B) |
| Sampler Name: | Miguel Remorez | | Fax #: | 4 E X |
| FOR LAB USE ONLY | 0 19 | MATRIX | PRESERV. SAMPLING | IG F E |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL | OTHER: OTHER: OTHER: | TIME |
| 1 | DFS6@ Surface | GIX | | 0A:00 Y X X |
| 2 | DFSL @1' | GIX | | 09:10 8 4 X |
| 3 | DFS7 @ Susface | GIX | X 50 | DA:20 X X X |
| 4 | DF5701' | CallX | 1 0 | 09:30 Y X X |
| 5 | DF5702' | 5 1 × | X C | 09:40 8 4 4 |
| 6 | DFS& @ surface | G 1 F | 1 0 | 09:50 X X X |
| 7 | DESE @1 | 911 | X II | 10:00 XXX |
| 8 | DE 18 62' | GIIX | 1 1 10 | 0:30 4 4 5 |
| 9 | DF58 @3. | 5 1 1 | | (1:00 A X X |
| PLEASE NOTE: Liability an | DF58 @ 4" ad Dermages. Cardina's liability and client's exclusive remedy for | GII | 1 4 1 | 11:10 × 4 × |
| ensiyees. All claims include service, in no event shall Co efficience or successors arisi Relinquishes. By | ng those for negligence and any other cause whatsoever shall be refined be liable for incidented or consequented demages, including out of or related to the performance of services inneuroder by Date: | deemed waived unless made in writing a g without limitation, business interruptions Cardinal, regardless of whether such clair | nd received by Cardinal within 30 days after cor, lose of use, or lose of profile incurred by dient, in is based upon any of the above stated reason. | completion of the applicable and, its authoritieries, loops or otherwise. Phone Result: |
| Refinquished By Delivered By: | Date: | Received By: Sample Condi | DIGHT CHECKED BY: | Please email results to pm@etechenv.com. |
| Sampler - UPS | - Bus - Other: 0.62/1 | #13 Sample Condi | (Initials) | |

FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes, Please fax written changes to 575-393-2476

Released to Imaging: 11/21/2023 1:49:26 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | (575) 393-2326 FAX (575) 393-2 | 476 | | | | | | | _ | | | | -1 | | |
|---|--------------------------------|--------------------|-------------------------------|--|-------------------------------|---------|--------|---|----------|--|----------------------|----------|-------------|--------------|--|
| Company Name | | tions | , Inc | . | | | | E | 3/L | L TO | | | | | ANALYSIS REQUEST |
| Project Manage | 00. | | | | | - | P.O. | | | | | | | | |
| Address: P.C | | | | | | | Com | pany: | M | en 800 | 194 | | | | |
| City: Lovingt | on State: NM | Zip | : 88 | 260 | | | Attn: | | | | | | | | |
| Phone #: (57 | 5) 396-2378 Fax #: (575) 3 | | | - | | | Addı | ress: | | | - | | | | |
| Project #: | 1675 Project Owne | r:) | Ne | Wbo | Vrn | | City: | | | | | | - " | _ | |
| Project Name: | Top Gun For SWD # OI | | | | | | State | B: | Z | ip: | EI | e | SM. | 218 | |
| Project Locatio | | PA | | | | | Phor | ne #: | | | | Chloride | 801 | (80 | |
| Sampler Name: | Miquel Radia | | | | | | Fax | #: | | | | Ch | TPH (8015M) | BTEX (8021B) | |
| FOR LAB USE ONLY | 7 | Τ. | | - | MATR | X | P | RESER | ev. | SAMPLI | NG | | = | B | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | SOIL | SLUDGE | OTHER: | | OTHER: | DATE | TIME | | | | |
| | DFS 9 @ surface | B | , | | X | 11 | 1 | K | 1 | 1-13-2 | | X | K | x | U U |
| 12 | DES d. O.I. | G | 1 | 1 | K | 11 | 1 | X | + | 1 | 15:10 | 4 | A | 4 | |
| 13 | DFS 10 @ Surface | G | 1 | | * | ++ | 1 | * | + | - | 15:50 | 4 | 4 | X | |
| 14 | DEL 10 61. | Go | , | - | 4 | 11 | + | 1 | + | 1 | (2.90 | 4 | 1 8 | 8 | |
| 15 | DES 10 651 | | , | - | 4 | 1 | + | 7 | + | - | 12:40 | 4 | 1 | 7 | |
| 16 | DE2 10 (5 3 | 4 | - | - | * | ++ | + | ++ | + | 4 | 17:50 | - | 1 | 1 | |
| | | + | | - | - | ++ | + | += | + | - | | - | - | - | |
| | | 1 | - | - | ++ | ++ | + | ++ | + | | | | | | |
| | | 1 | | + | 1 | ++ | + | + | + | | | | | | |
| enelyses. All claims include service. In no event shall conflicted or successors are Relinquished B | Time 1/620 | g without Cardinal | d waive it limits regar | ed unises in iton, busined unises of with the interest of with the inter | nade in wrone internument suc | onditio | besed | d by Cardin e, or loss o upon any o | and with | in 30 days after is incurred by of bove stated re- | Phone Result REMARKS | sult: | O Ye | d | No Add'I Phone #: No Add'I Fax #: n@etechenv.com. |

FORM-006 Revision 1.0

Received by OCD: 6/21/2023 7:17:51 AM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Appendix F Regulatory Correspondence

From: Bratcher, Mike, EMNRD

To: <u>Lance Crenshaw; Connor Walker; Ben Arguijo</u>

Cc: Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD; Hamlet, Robert, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] Confirmation Sampling Notification

Date: Friday, September 16, 2022 3:59:30 PM

Lance,

Please include the date and time for sampling events in order to meet requirements of 19.15.29 NMAC. Also, include a copy of all correspondence in the remediation and/or closure reports to insure notices are included in the project file.

Thanks,

Mike Bratcher ● Incident Supervisor Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave | Artesia, NM 88210 (575) 626-0857 | mike.bratcher@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Sent: Friday, September 16, 2022 9:54 AM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Velez, Nelson, EMNRD

<Nelson.Velez@state.nm.us>

Subject: Fw: [EXTERNAL] Confirmation Sampling Notification

From: Lance Crenshaw < lance@etechenv.com > Sent: Friday, September 16, 2022 9:16 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Cc: Connor Walker <<u>cwalker@mewbourne.com</u>>; Ben Arguijo <<u>bena@etechenv.com</u>>

Subject: [EXTERNAL] Confirmation Sampling Notification

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

This email serves as notice that Etech intends to collect excavation confirmation soil samples from the following locations/reportable release sites:

Mewbourne Oil Co – Top Gun SWD– napp2212348289

If you have any questions or need any additional information, please contact Lance Crenshaw by phone (575-631-2532) or email (lance@etechenv.com

Lance Crenshaw Etech Environmental & Safety Solutions 575-631-2532

Total Control Panel Login

To: bena@etechenv.com

_

mike.bratcher@state.nm.us

Message Score: 30

My Spam Blocking Level: High

Medium (75): Pass

High (60): Pass

Low (90): Pass

Block this sender
Block state.nm.us

This message was delivered because the content filter score did not exceed your filter level.

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

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

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

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

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

CONDITIONS

Action 230933

CONDITIONS

| Operator: | OGRID: |
|------------------|---|
| MEWBOURNE OIL CO | 14744 |
| P.O. Box 5270 | Action Number: |
| Hobbs, NM 88241 | 230933 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| L | Created By | Condition | Condition Date |
|---|------------|---|----------------|
| | rhamlet | Mewbourne's deferral requests deferral of final remediation for Incident Number NAPP2120037259 and NAPP2212348289 until decommissioning and abandonment of the SWD facility. eTECH and Mewbourne do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are the impacted soil around the outside of the tank battery (Figure 3B), which include sample areas (DFS 1 through DFS 10). The areas have been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. | 11/21/2023 |