State of New Mexico

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 ✓ Proposed schedule for remediation (note if remediation plan times) 	2(C)(4) NMAC
Deferral Requests Only: Each of the following items must be conjugated	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around prodeconstruction.	duction 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,	the environment, or groundwater.
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file of 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 lateral contents of the compliance with any other federal, state, or local lateral contents of the compliance with any other federal, state, or local lateral contents of the compliance with any other federal, state, or local lateral contents of the c	ertain release notifications and perform corrective actions for releases ce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of
Printed Name: Connor Walker	Title: Sr. Engineer
Signature: Alalh	Date: 6/21/2023
email: cwalker@mewbourne.com	Telephone: (806)202-5281
OCD Only	
Received by: Shelly Wells	Date: <u>6/22/2023</u>
Approved Approved with Attached Conditions of A	Approval Denied \(\overline{\lambda} \) Deferral Approved
Signature: Robert Hamlet	Date: 11/21/2023

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Incident ID	nAPP2120037259	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no tales than 50 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 well Field data	ls.	

Characterization Report Checklist: Each of the following items must be included in the report.
Character Entropy Report Cheekans.
_
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
✓ Boring or excavation logs
✓ Photographs including date and GIS information
✓ Topographic/Aerial maps
✓ Laboratory data including chain of custody

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

Received by OCD: 6/21/2023 7:14:24 AM Form C-141 State of New Mexico
Page 4 Oil Conservation Division

Page 3 of 365
Incident ID nAPP2120037259
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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

Date:

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

Page 4 of 3 65 Incident ID nAPP2120037259 District RP Facility ID Application ID

Remediation Plan

 ✓ Detailed description of proposed remediation technique ✓ Scaled sitemap with GPS coordinates showing delineation poin ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29. ✓ Proposed schedule for remediation (note if remediation plan tin 	12(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
	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 healt	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
Signature:	
email: cwalker@mewbourne.com	Telephone: (806)202-5281
OCD Only	
Received by:	Date:
☐ Approved ☐ Approved with Attached Conditions of	Approval
Signature:	Date:

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Incident ID	nAPP2212348289	
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 wel ✓ Field data ✓ Data table of soil contaminant concentration data ✓ Depth to water determination 	ls.	

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

✓ Photographs including date and GIS information

✓ Laboratory data including chain of custody

✓ Boring or excavation logs

Topographic/Aerial maps

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Received by:

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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 _____ Date: _____ Signature: email: cwalker@mewbourne.com Telephone: (806)202-5281

Date:

CD: 6/21/2023 7:14:24 AM
State of New Mexico

Incident ID	nAPP2212348289
District RP	
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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 point ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29.1 ✓ Proposed schedule for remediation (note if remediation plan times) 	2(C)(4) NMAC
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.	
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 of	e to the best of my knowledge and understand that pursuant to OCD ertain release notifications and perform corrective actions for releases
which may endanger public health or the environment. The acceptage 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 lies.	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: <u>(806)202-5281</u>
OCD Only	
	D
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

n J. Arguijo

Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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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						
	Loc	ation of Release Sou	ırce					
Latitude:	32.310282	Longitude:	-104.222821					
	Pı	rovided GPS are in WGS84 forma	t.					
Site Name:	Top Gun Fed S		Site Type: Salt Water Disposal (SWD)					
Date Release Discover	red: 7/8/2021	API # (if applica	able): 30-015-31075					
Unit Letter Se	ection Township	Range	County					
"A"	18 23S	27E	Eddy					
Surface Owner: X St	tate Federal Tr	ibal Private (Nam	e					
	Natur	e and Volume of R	elease					
	Tratuir	c and volume of ix	cicase					
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)						
X Produced Water	Volume Released (bbls)	3,516	Volume Recovered (bbls) 3,360					
	Is the concentration of to (TDS) in the produced v		X Yes No N/A					
Condensate	Volume Released (bbls)	Volume Recovered (bbls)					
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)					
Other (describe)	Volume/Weight Release	ed	Volume/Weight Recovered					
Cause of Release: A connection on the	wellhead failed.							
		Initial Response						
X The source of the	release has been stopped.							
X The impacted area	a has been secured to protec	et human health and the en	vironment.					
X Release materials	have been contained via the	e use of berms or dikes, ab	osorbent pad, or other containment devices					
X All free liquids an	d recoverable materials have	ve been removed and mana	aged appropriately.					

	n A	APP2212348289		
	Location	on of Release Sou	rce	
Latitude:	32.3100060	Longitude:	-104.22	3121
	Provid	ed GPS are in WGS84 format.		_
Site Name:	Top Gun Federal SWD #1	1 (4212022)	Site Type:	Pipeline
Date Release Discovere	ed: 4/21/2022	API # (if applical	ole):	N/A
Unit Letter Sec	ction Township	Range	County	
	18 23S	27E	Eddy	
Surface Owner: X Sta		Private (Name)
Crude Oil	Volume Released (bbls)		Volume Recovered (bbl	s)
X Produced Water	Volume Released (bbls)	64	Volume Recovered (bbl	s) 0
	Is the concentration of total (TDS) in the produced water		X Yes No] N/A
Condensate	Volume Released (bbls)		Volume Recovered (bbl	s)
Natural Gas	Volume Released (Mcf)		Volume Recovered (Mo	ef)
Other (describe)	Volume/Weight Released		Volume/Weight Recover	red
Cause of Release: A joint of 12" poly pig	peline developed a leak.		l	
	Iı	nitial Response		
X The source of the i	release has been stopped.			
X The impacted area	has been secured to protect hu	ıman health and the env	rironment.	
X Release materials l	have been contained via the use	e of berms or dikes, abs	sorbent pad, or other contain	inment devices
X All free liquids and	d recoverable materials have be	een removed and mana	ged 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 @ 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

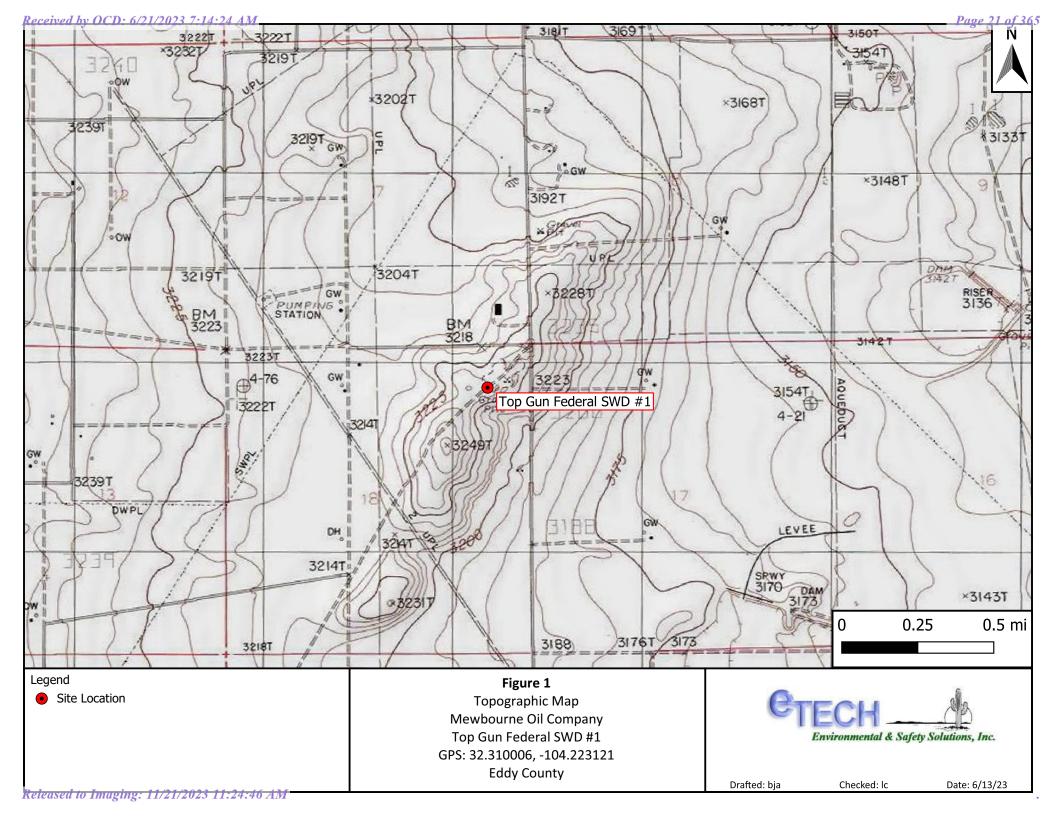
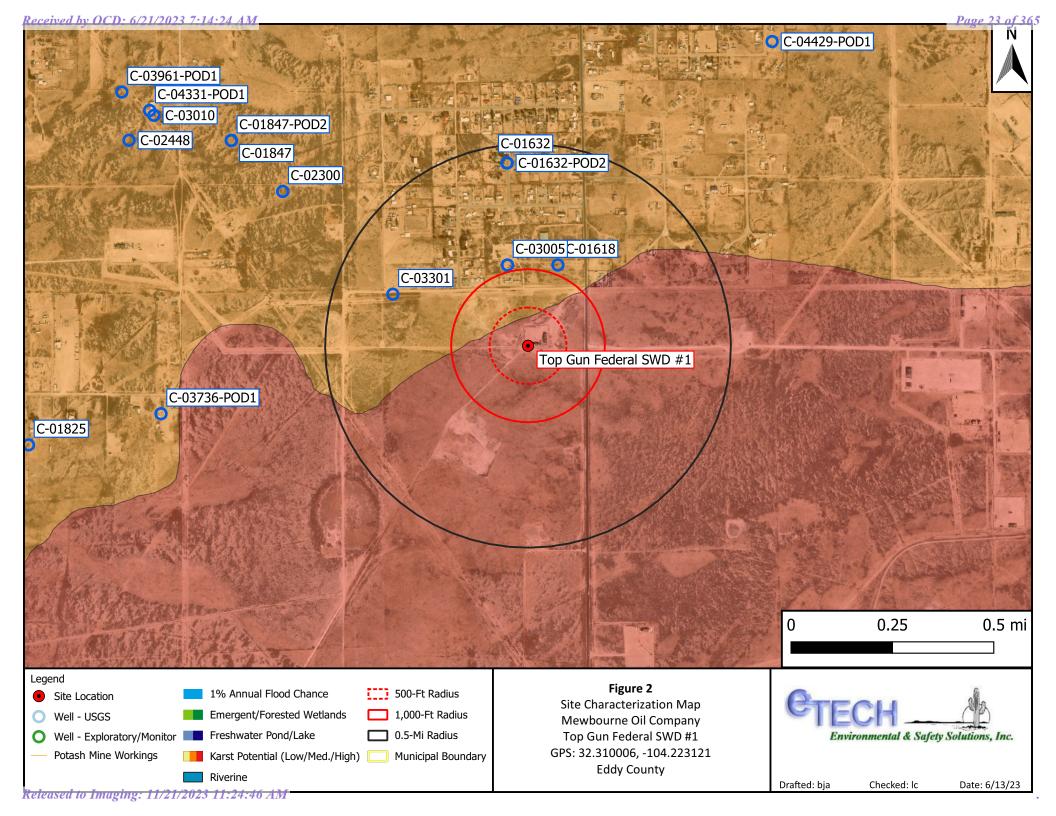
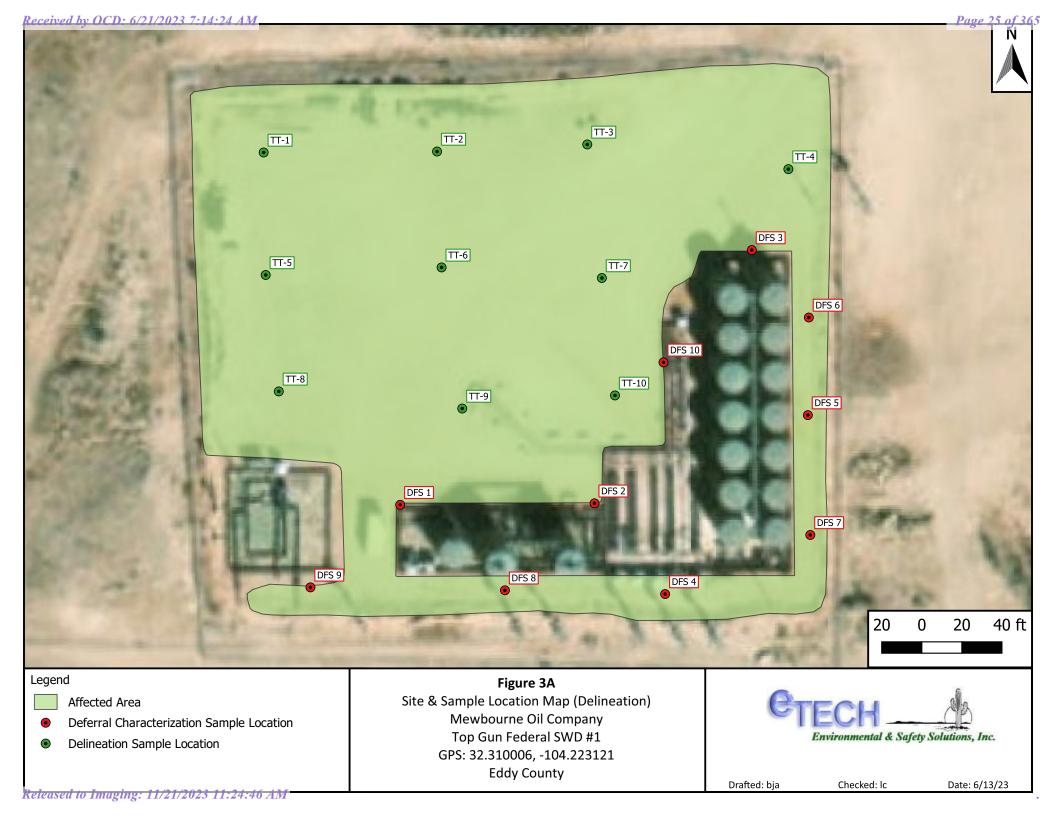


Figure 2 Site Characterization Map



Figures 3A & 3B Site & Sample Location Maps



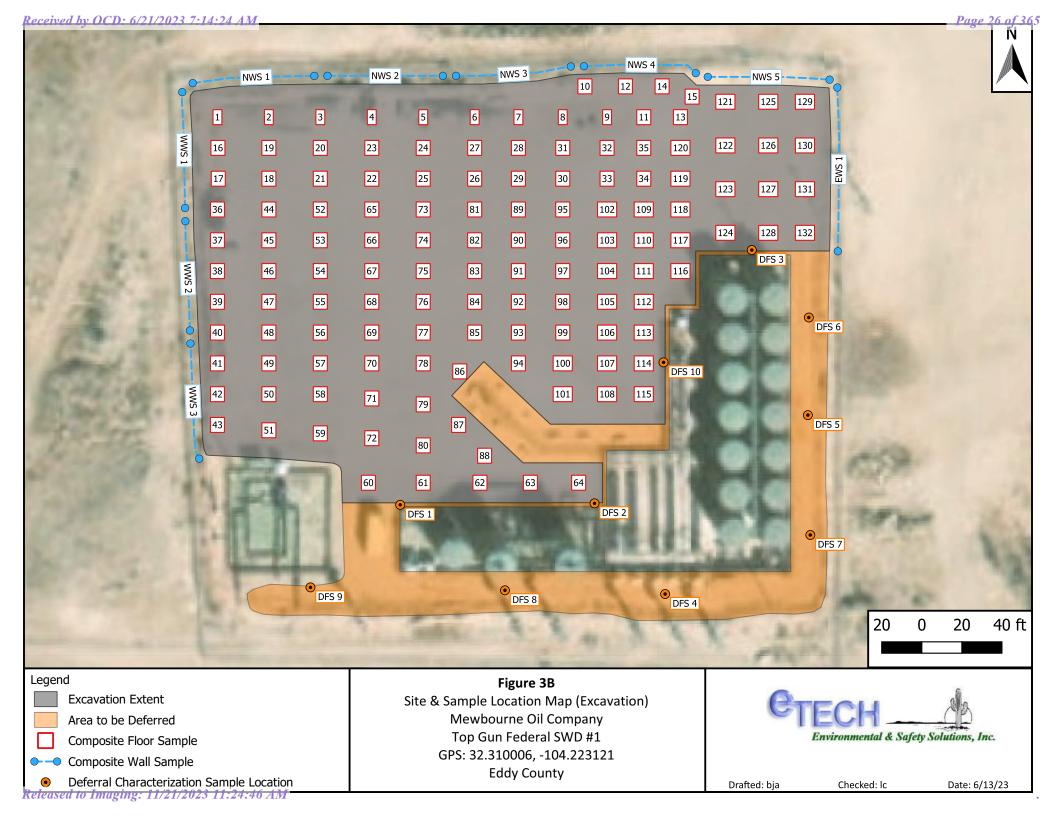


Table 1 Concentrations of BTEX, TPH & Chloride in Soil

					Table 1						
			Concentrati	ions of BT	EX, TPH	& Chloric	de in Soil				
				Mewbour	ne Oil Co	mpany					
				_	Federal S						
			f. #: nAPP2	12003725	1	20038621	& nAPP2	221234828	9	ı	<u> </u>
	D Closure Crit			10	50	N/A	N/A	N/A	N/A	100	600
NMOCD R	Reclamation Sta	andard	1	10	50	N/A	N/A	N/A	N/A	100	600
				SW 84	6 8021B		SW	GRO +	Ext.	ı	4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO	DRO	DRO	ORO	ТРН	Chloride
		(reet)		(mg/kg)	(mg/kg)	C ₆ -C ₁₀ (mg/kg)	C ₁₀ -C ₂₈ (mg/kg)	C ₆ -C ₂₈	C ₂₈ -C ₃₆ (mg/kg)	C ₆ -C ₃₆ (mg/kg)	(mg/kg)
			D.E	e D.f	I Character			(mg/kg)	(mg/kg)	(mg/kg)	
TT-1 Surface Sample	7/22/2022	0		< 0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<20.0	07 400
TT-1 @ 2'	7/22/2022	2	Excavated In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	86,400 304
TT-1 @ 4'	7/22/2022	4	In-Situ 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 @ 2'	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 @ 2'	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		Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
TT-9 @ 3'	7/22/2022		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
TT-10 Surface Sample	7/22/2022		Excavated	< 0.050	< 0.300	<10.0	98.7	98.7	78.1	177	12,400
TT-10 @ 2'	7/22/2022		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	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,420
DFS 1 @ 5'	9/6/2022	5	Deferral L. Site	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
DFS 1 @ 6'	9/6/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
DFS 2 @ Surface	9/6/2022	0	Deferral Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,560
DFS 2 @ 1' DFS 2 @ 2'	9/6/2022	1	Deferral Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,640
DFS 2 @ 2'	9/6/2022	3	Deferral Deferral	<0.050	<0.300	<10.0 <10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	1,360 3,360
DFS 2 @ 3 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 @ 3urrace 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 5 5 W 1	JIUIZUZZ	1	Delettal	~0.050	~0.500	10.0	10.0	~20.0	10.0	\50.0	4,300

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

March Marc		NM(OCD Re	f. #: nAPP2	12003725	9, nAPP21	20038621	& nAPP2	21234828	9		
Name	NMOC	D Closure Crit	eria		10	50	N/A	N/A	N/A	N/A	100	600
Sample Date	NMOCD I	Reclamation St	andard		10	50	N/A	N/A	N/A	N/A	100	600
Name					SW 84	6 8021B		SW		Ext.	ı	4500 Cl
DFS 3 @ 2	Sample ID	Date	-	Soil Status	Ronzono	RTEV	GRO	DRO		ORO	TPH	Chlorida
DES 3 @ 2	P		(Feet)									
DES 3 @ 3' 96/2022									(mg/kg)		(mg/kg)	
DES 3 @ 4' 96/2022												
DES 3 @ 5			_									
DFS 3 @ 6												
DFS 4 @ Surface												
DFS 4 @ I'												
DFS 4 @ 2' 9/6/2022 2 In-Situ <0.050 <0.300 <1.00 <0.00 <0.00 <1.00 <30.0 <480 DFS 4 @ 3' 9/6/2022 3 In-Situ <0.050 <0.300 <1.00 <1.00 <0.00 <1.00 <30.0 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00			0							<u> </u>		
DFS 4 @ 3' 9/6/2022 3 In-Situ <0.050 <0.300 <10.0 <0.00 <10.0 <30.0 <20.8 DFS 5 @ Surface 9/6/2022 0 Deferral <0.050		1										
DFS 5 @ Surface												
DFS 5 @ I¹ 9/6/2022 1 Deferral <0.050 <0.300 <1.00 <20.0 <1.00 <30.0 1,220 DFS 6 @ Surface 9/6/2022 2 Insitu <0.050												
DFS 5 @ 2' 9/6/2022 2 In-Situ <0.050 <0.300 <1.00 <1.00 <20.0 <1.00 <30.0 144												
DFS 6 @ Surface 223/2023 0 Deferral <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 30,800												
DFS 6 @ I' 223/2023												
DFS 7 @ Surface 223/2023 0 Deferral <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 <8.130		1										-
DFS 7 @ 1¹ 2/23/2023 1 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 <35.0 DFS 7 @ 2° 2/23/2023 2 In-Situ <0.050	O O											
DFS 7 @ 2' 2/23/2023 2 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 <288 DFS 8 @ Surface 2/23/2023 0 Deferral <0.050												
DFS 8 @ Surface 2/23/2023 0 Deferral <0.050 <0.300 <10.0 <37.6 <10.0 <37.6 832 DFS 8 @ I' 2/23/2023 1 Deferral <0.050		1										
DFS 8 @ 1' 2/23/2023 1 Deferral <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 3,600 DFS 8 @ 2' 2/23/2023 2 In-Situ <0.050												
DFS 8 @ 2' 2/23/2023 2 In-Situ <0.050 <0.300 <10.0 <10.0 <10.0 <30.0 <512 DFS 8 @ 3' 2/23/2023 3 In-Situ <0.050		1	-									
DFS 8 @ 3' 2/23/2023 3 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 <560		1										
DFS 8 @ 4' 2/23/2023												
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												
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												
DFS 10 @ 2' 2/23/2023 2 Deferral Deferration Samples Class and page 1884 \$\ 2/23/2023 3 In-Situ Deferral Deferration Samples Class and page 1884 \$\ 2/23/2023 3 In-Situ Deferration Samples Excavation Samples NWS 1 8/18/2022 0.5-6 In-Situ Deferration Deferratio												
DFS 10 @ 3' 2/23/2023 3 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 320												
NWS 1												
NWS 1 8/18/2022 0.5-6 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 320 NWS 2 8/18/2022 0.5-2.5 In-Situ <0.050	Drs 10 @ 5	2/23/2023	3	III-Situ		l		<10.0	~20.0	<u></u>	\30.0	320
NWS 2 8/18/2022 0.5-2.5 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 288 NWS 3 8/18/2022 0.5-6 In-Situ <0.050	NWS 1	8/18/2022	0.5-6	In-Situ		_		<10.0	<20.0	<10.0	<30.0	320
NWS 3 8/18/2022 0.5-6 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 240 NWS 4 8/18/2022 0.5-6 In-Situ <0.050												
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 NWS 5 9/6/2022 0.5-2.5 In-Situ <0.050												
NWS 5 9/6/2022 0.5-2.5 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 160 EWS 1 9/6/2022 0.5-2.5 In-Situ <0.050												
EWS 1 9/6/2022 0.5-2.5 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 448 WWS 1 8/18/2022 0.5-9.5 In-Situ <0.050	NWS 5									<10.0		
WWS 1 8/18/2022 0.5-9.5 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 352 WWS 2 8/18/2022 0.5-5.5 In-Situ <0.050				In-Situ	< 0.050	< 0.300	<10.0			<10.0		448
WWS 2 8/18/2022 0.5-5.5 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 176 WWS 3 8/18/2022 0.5-6.5 In-Situ <0.050					< 0.050	< 0.300	<10.0					
WWS 3 8/18/2022 0.5-6.5 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 192 FS 1 @ 4' 8/12/2022 4 Excavated <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 1,120 FS 1 @ 6.5' 8/18/2022 6.5 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 304 FS 2 @ 6' 8/12/2022 6 Excavated <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 304 FS 2 @ 6.5' 8/18/2022 6.5 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 672 FS 3 @ 2' 8/12/2022 8/12/2022 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 496 FS 4 @ 2' 8/12/2022 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 352 FS 5 @ 3' 8/12/2022	WWS 2	8/18/2022	0.5-5.5									
FS 1 @ 4'		1										
FS 2 @ 6' 8/12/2022 6 Excavated <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 672 FS 2 @ 6.5' 8/18/2022 6.5 In-Situ <0.050	FS 1 @ 4'				< 0.050		<10.0	<10.0	<20.0			1,120
FS 2 @ 6' 8/12/2022 6 Excavated <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 672 FS 2 @ 6.5' 8/18/2022 6.5 In-Situ <0.050		1										
FS 2 @ 6.5' 8/18/2022 6.5 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 496 FS 3 @ 2' 8/12/2022 2 In-Situ <0.050	$\overline{}$							<10.0				672
FS 3 @ 2'			6.5					<10.0				
FS 4 @ 2'	FS 3 @ 2'				< 0.050		<10.0	<10.0	<20.0			112
FS 6 @ 3' 8/12/2022 3 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 80.0	FS 4 @ 2'		2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
	FS 5 @ 3'	8/12/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
ES 7 @ 21	FS 6 @ 3'	8/12/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	80.0
F5 / (0.5) $8/12/2022$ 5 Excavaled <0.030 <0.500 <10.0 <10.0 <20.0 <10.0 <30.0 608	FS 7 @ 3'	8/12/2022	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608

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

NMOCD Ref. #: nAPP2120037259, nAPP2120038621 & nAPP2212348289

NMOC	NMOCD Closure Criteria									100	600
	Reclamation Sta			10	50 50	N/A N/A	N/A N/A	N/A N/A	N/A N/A	100	600
Тимось і	CCIamation Sta	muaru			5 8021B	IV/A	l	846 8015M		100	4500 Cl
		D4b		311 040	00210	an a		GRO +			4300 CI
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO C ₆ -C ₁₀	DRO C ₁₀ -C ₂₈	DRO	ORO C ₂₈ -C ₃₆	ТРН С ₆ -С ₃₆	Chloride
		(,		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	C ₆ -C ₂₈	(mg/kg)	(mg/kg)	(mg/kg)
FS 7 @ 4'	8/18/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	(mg/kg) <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 Gun Federal SWD #1

NMOCD Ref. #: nAPP2120037259, nAPP2120038621 & nAPP2212348289

NMO			f. #: nAPP2		ľ		1			100	600
	CD Closure Crit			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	100	600
				SW 84	6 8021B		SW	846 8015M	Ext.	ı	4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene	BTEX	GRO	DRO	GRO + DRO	ORO	ТРН	Chloride
		(Feet)		(mg/kg)	(mg/kg)	C ₆ -C ₁₀	C ₁₀ -C ₂₈	C ₆ -C ₂₈	C ₂₈ -C ₃₆	C ₆ -C ₃₆	(mg/kg)
		_				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
FS 47 @ 6'	8/23/2022	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FS 48 @ 4'	8/23/2022	4	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	< 0.050	< 0.300	<10.0	11.0	11.0	<10.0	11.0	160
FS 55 @ 3'	8/23/2022	3	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	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FS 57 @ 3'	8/23/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 58 @ 2'	8/23/2022	2	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 @ 3'	9/1/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 60 @ 4'	8/25/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FS 61 @ 9'	8/25/2022	9	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	1	-	-	-	-	-	-	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	< 0.050	< 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
1570 60 4	0/30/2022		m-onu	-0.030	-0.500	-10.0	-10.0	-20.0	-10.0	-50.0	30.0

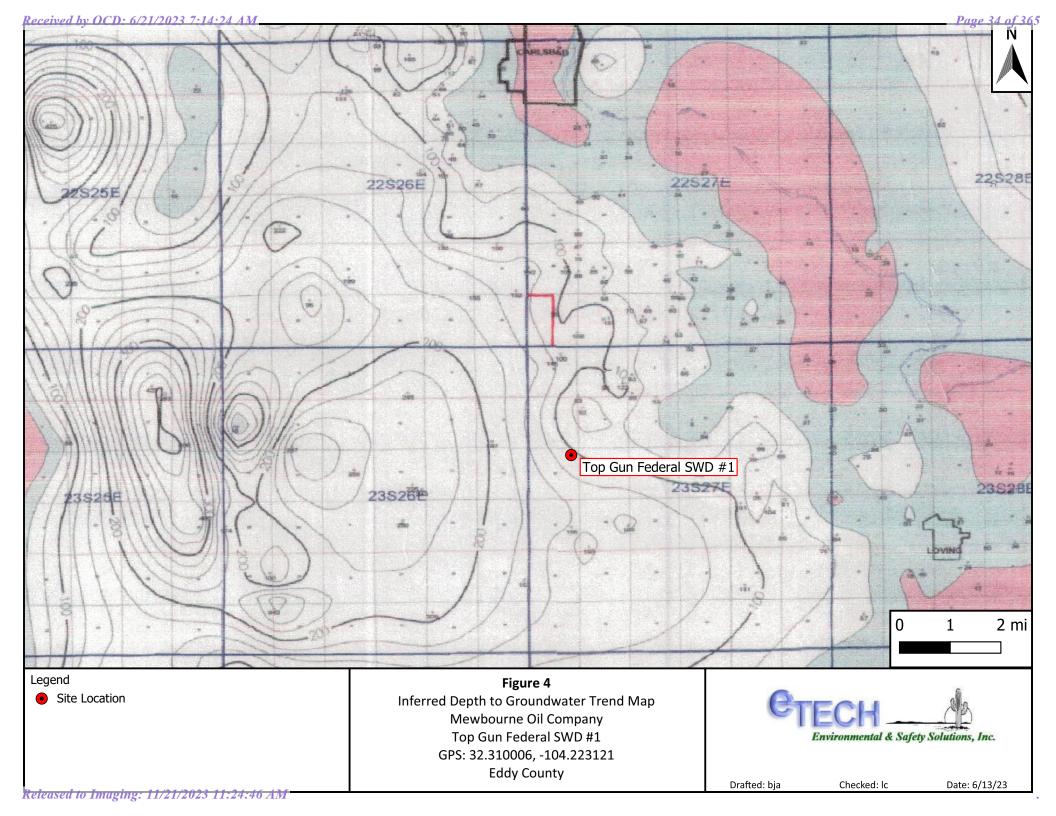
Dash (-): Sample not analyzed for that constituent. **Bold:** NMOCD Closure Criteria exceedance.

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

NMOCD Ref. #: nAPP2120037259, nAPP2120038621 & nAPP2212348289

	D Closure Crit			10	50	N/A	N/A	N/A	N/A	100	600
NMOCD R	Reclamation Sta	andard	T	10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	6 8021B		SW	846 8015M	Ext.	1	4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene	BTEX	GRO	DRO	GRO + DRO	ORO	TPH	Chloride
•		(Feet)		(mg/kg)	(mg/kg)	C ₆ -C ₁₀	C ₁₀ -C ₂₈	C ₆ -C ₂₈	C ₂₈ -C ₃₆	C ₆ -C ₃₆	(mg/kg)
						(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
FS 91 @ 3'	8/30/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 92 @ 2'	9/1/2022	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FS 93 @ 2'	9/1/2022	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
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'	9/1/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 98 @ 3'	9/1/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FS 99 @ 3'	9/1/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 100 @ 4'	9/1/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FS 101 @ 4'	9/2/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 102 @ 3'	9/2/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 103 @ 2'	9/2/2022	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
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
FS 106 @ 4'	9/2/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
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	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 109 @ 2'	9/2/2022	2	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
FS 109 @ 3'	9/9/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
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
FS 112 @ 2'	9/2/2022	2	In-Situ	<0.050	<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
FS 117 @ 2'	9/2/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 118 @ 2'	9/2/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
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		<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 121 @ 2' FS 122 @ 2'	9/2/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 122 @ 2 FS 123 @ 2'	9/2/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
	9/2/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FS 124 @ 2' FS 125 @ 2'	9/2/2022 9/2/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0	160 240
FS 123 @ 2' FS 126 @ 2'	9/2/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0 <30.0	336
FS 120 @ 2 FS 127 @ 3'	9/2/2022	3	In-Situ	<0.050				<20.0			96.0
FS 127 @ 3 FS 128 @ 3'	9/2/2022	3	In-Situ	< 0.050	<0.300	<10.0 <10.0	<10.0 <10.0	<20.0	<10.0	<30.0	96.0
FS 128 @ 3 FS 129 @ 3'			In-Situ		<0.300				<10.0	<30.0	400
FS 129 @ 3 FS 130 @ 2'	9/2/2022 9/2/2022	2	In-Situ In-Situ	<0.050	<0.300	<10.0	13.8 <10.0	13.8 <20.0	<10.0 <10.0	13.8 <30.0	208
FS 130 @ 2'	9/2/2022	2		< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FS 131 @ 2 FS 132 @ 2'	9/2/2022	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
132 W Z	91212022		In-Situ	<u>~0.030</u>	~0.300	\1U.U	\1U.U	~∠0.0	<u>~10.0</u>	\30.0	208

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)

	-	OD ub-		Q	Q	Q								Depth	Depth	Water
POD Number	Code ba	asin	County	64	16	4 :	Sec	Tws	Rng	Х	Υ		Distance	-	-	Column
C 03005		С	ED	3	4	4	07	23S	27E	573052	3575384*	9	330	140	100	40
<u>C 01618</u>		С	ED	4	4	4	07	23S	27E	573252	3575384*	9	341	250		
<u>C 03301</u>		С	ED	3	3	4	07	23S	27E	572597	3575268		574	375		
<u>C 01632</u>		С	ED	3	2	4	07	23S	27E	573050	3575789*		730	162	100	62
C 01632 CLW197648	0	С	ED	3	2	4	07	23S	27E	573050	3575789*	9	730	162	100	62
C 01632 POD2		С	ED	3	2	4	07	23S	27E	573050	3575789*	3	730	173	100	73

Average Depth to Water: 100 feet

DEPTH TO WATER

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 Q4 Sec Tws Rng

X

C 03005

07 23S 27E

573052 3575384*

Driller License: 1227 **Driller Company:**

B & H DRILLING

Driller Name: HAMMOND, JOHN B.

Drill Start Date: 07/07/2004 **Drill Finish Date:**

07/31/2004

Plug Date:

Shallow

Log File Date:

08/05/2004

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

2 GPM

Casing Size:

6.00

Depth Well:

140 feet

Depth Water:

100 feet

Water Bearing Stratifications: Bottom Description

> 0 2 Other/Unknown

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

100 Sandstone/Gravel/Conglomerate

Casing Perforations: Bottom Top

> 130 100

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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 Tws Rng

X

C 01618 4 4 4 07 23S 27E

573252 3575384*

6

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

Driller Name: TAYLOR, W.H. SR.

Drill Start Date: 10/08/1975 Drill Finish Date: 10/25/1975 Plug Date: Log File Date: 10/31/1975 PCW Rcv Date: Source:

Pump Type:Pipe Discharge Size:Estimated Yield:Casing Size:Depth Well:250 feetDepth 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

Plug Date:

Source:

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

Driller Name: VLOSICH, JOSEPH M., JR.

Drill Start Date: 02/03/2007 **Drill Finish Date:** 06/28/2008 Log File Date: **PCW Rcv Date:** 07/07/2008

Pump Type: Pipe Discharge Size: **Estimated Yield:** Depth Well: **Casing Size:** 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 Sec Tws Rng

X

Y

C 01632

3 2 4 07 23S 27E

573050 3575789*

9

Driller License: 604

Driller Company:

TAYLOR, W.H. SR.

Driller Name:

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: Sl

Shallow

Pump Type: Casing Size: Pipe Discharge Size:

Depth Well:

162 feet

Estimated Yield: Depth Water:

100 feet

Water Bearing Stratifications:

7.00

Top Bottom Description

100

162 Shale/Mudstone/Siltstone

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^{*}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:**

Driller Name:

TAYLOR, W.H. SR.

TAYLOR, W.H. SR.

01/30/1976

Plug Date:

Drill Start Date: Log File Date:

11/22/1975 02/05/1976 **Drill Finish Date: PCW Rcv Date:**

Source:

Shallow

Pump Type:

7.00

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

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^{*}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 01632 POD2

Q64 Q16 Q4 Sec Tws Rng 07 23S 27E

573050 3575789*

Driller License:

1064

Driller Company:

DELFORD W. MARTIN

Driller Name: MARTIN, DELFORD

05/15/1985

Drill Finish Date:

06/05/1985

Plug Date:

Drill Start Date: Log File Date:

06/12/1985

PCW Rcv Date:

Shallow

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

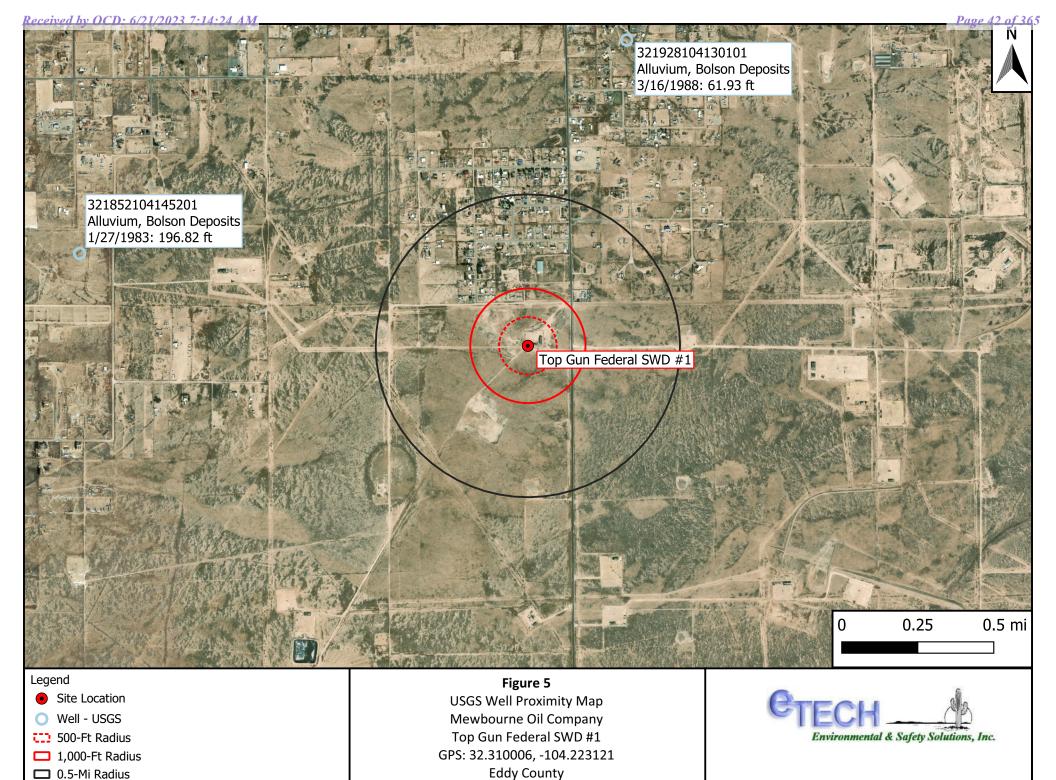
Casing Perforations:

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

output formute
Table of data
Tab-separated data
Graph of data
Reselect period

Date \$	Time \$? Water-level \$ date-time accuracy	? Parameter \$\frac{\frac{1}{2}}{code}	Water level, feet below land surface	Water level, feet above \$pecific vertical datum	Referenced vertical \$ datum	? Status	? Method of measurement	? Measuring \$\frac{1}{2}\$ agency	? Source of measurement	? Water- level approval status
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			Α
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			Α

Page 44 of 365 Received by OCD: 6/21/2023 7:14:24 AM

Date \$	Time \$? Water-level ≎ date-time accuracy	? Parameter ≎	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical \$\datum\$? Status	? Method of measurement	? Measuring \$\frac{1}{2}\$ 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			Α

Explanation

Code \$	Description
D	Date is accurate to the Day
62610	Groundwater level above NGVD 1929, feet
62611	Groundwater level above NAVD 1988, feet
72019	Depth to water level, feet below land surface
NAVD88	North American Vertical Datum of 1988
NGVD29	National Geodetic Vertical Datum of 1929
1	Static
Z	Other.
	Not determined
	Not determined
Α	Approved for publication Processing and review completed.
	D 62610 62611 72019 NAVD88 NGVD29 1 Z

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Title: Groundwater for USA: Water Levels

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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 = usas

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

ble of data Tab-separated data

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

Graph of data	raph of data										
Reselect period	<u>eselect period</u>										
Date \$	Time \$? Water- level date-time accuracy	? Parameter code	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	А	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 14:52:41 EDT

0.32 0.27 nadww01



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. Sandicio	Chloride Con EPS
TT-1 Surface Sample		28284	TT-8 Surface Somple	9,296
TT-\$1 @ 1 Ft		1,348	17-801Ft	3318
TT-1@2Ft		316	TT-8 02Ft	1,260
TT-1 @ 3Ft		1,348	17-8 @ 3Ft	1444
TT-1 6 4Ft		ND	77-8 6 4FT	6176
TT-1 @ 6F4		280	77-8666F4	696
TT-2 Surface Sumple		1,396	77-9 Surface Semple	10,052
TT-2 @ 1 Ft		1,260	TT-9 60 1 F4	1636
TT-2 @ 2 Ft		756	77-9 632F#	536
TT-2 @ 3 Ft		356	TT-9 6374	396
77-2 @ 4Ft		212	TT-10 Sistace Sample	15,412
TT-3 Suffice Samille		14052	TT-10@1Ft	488
TT-3 @ 1 Ft		212	TT-10 62F4	356
77-3 @ 2 Ft		1176	TT-10 603FT	316
7-3 @ 3 Ft		280		
TT-4 Surface Sample		14052		
77-4 @ 1 Ft		588		
17-4 @ 2Ft		3/6		
77-5 @ Sulface Sample		5,464		
77-5 @ 1Ft		5060		
7-5 a) 2Ft		1.096		
77-5 @ 3FH		2/88		
		2360		
77-5 @ 4Ft		252		
17-5 @ 8Ft		356		
TT-6 Surface Sample		15412		
TT-6 @ IFF		700		
T-6 @ 184		320		
7-6 @ 3Ft		284		
T-6 QUFT		536		
T-6 QUFT T-7 Surface Sample		536		
7-7 61Ft		964		
7-7 Q2FF		252		
7-9 @ 3H		964		
TT-7 @ 4Ft		400		
67 11				

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

Released to Imaging: 11/21/2023 11:24:46 AM

Stockpile = Stockpile #1



Date:	

Project: Top Gun Federal SWD #1

 Project Number:
 16075
 Latitude:
 32.310006
 Longitude:
 -104.223121

	Sample ID	PID/Odor	Chloride Conc.	GPS
FS	1. @) Ft	1	1944	
FS	2. Q 1 Ft	-	1348	
FS	3. (a) j Ft	_	128	
FS	4. @ 2Ft	_	356	
FS	1. 60 3 Ft		1,020	
FS	2. 6 3Ft		1260	
F5	5. @ 2Ft		756	
F5	6, 6 2FT	_	1,260	
ES.	7.6 2Ft		(772	
FS	1.6 4Ft		880	
FS	2.60 4Ft	_	in 12	
FS	5.6 3H		128	
FS	6.60 3Ft	,==-	212	
FS	7.0 3F	_	588	
F5	8:00 2Ft		244	
FS	9.00 2Ft	_	880	
ES ES	10, a 2 Ft	~	2636	
ES	11.60 25	-	816	
ES	i). a 2Ft	_	4772	
ES	13,0 2FT		\$86	
FS	9.@ 3Ft		180	
F'S	10.69 3Ff	_	[772]	
FS	11.60 3FF		588	
FS	12,6 3Ff	_ ~	। १५५५	
FS	13@ 3F4		488	
ES	2,60 5 Ft		1,544	
FS	19.60 JFF	_	244	
£S	15.Ca, 2Ft	_	1170	
ES.	10@ 4Ft		8/6	
FS FS FS FS FS FS	12 © 4FT 12 © 5FT 12 © 5FT 12 © 6 FT 16 © 2FT 17 © 2FT		588 980 640	
F5	60 SFT	_	588	
FS	12 65FT		980	
FS	12064	-	640	
FS	16 60 2H	_	890	
F3	1702H		880	
3				

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

Stockpile = Stockpile #1



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

S	ample ID	PID/Odor		Chloride Conc.	GPS	
FS 16	, @ 3 Ft		1,770			
FS 17		_	880			
5 16	· (a) 4 Ft		253€			
75 19	(a) 4Ft	_	1,324			
5 185 19	. a 2 Ft	_	440			
	. 6 2Ft	_	128			
FS 20.		_	200			_
FS 21:	@ 2 Ft · @ 2 Ft	_	ND			
FS 22	·@ 2F1	_	360			
=5 23 ; =5 24 .	C. 1 -		ND			
-5 24.	@ 2Ft	_	908			
	@ 2F4)	260			
= 36.	@ 2F1	1	772			
5 27.	@ 2F1	}	648			
-5 J8.	@) 2F+	-	880			
is 29.	@ 2Ft		1.772			
75 28. 35 29. 35 16.	@ B H	-	1896			
	@6F1		1260		,	
	@ 3A)	244			
5 26	@3F4	1	488			
5 27	E) 3F1		400			
·5 28.	@ 3F+	_	538			
5 29.1	6, 3H	_	588			
5 30.0	W 2F4	(212			
5 31.0	D) 2F4	-	756			
5 31.00	3Ff	ſ	536			
5 <i>320</i>	32F4	-	ND			
		-	186			
34 (© 2FF @ 2Ff	_	ND			
=956	9 2Ft	-	3 56			
rs 36,	6 2F1	Į.	356 1652			
5 36, 5 37 5 36 5 36 5 36 5 36	6 1F1 @ 2F1	į	2630			
5 36	@ 3F4	-	1348			
5 37	0 3FT	-	1652			
5 30	60 4F1	_	2,552			
5 3	16 481	-	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	1.663H	ł l
25 37 06FH	-	1260	FS 26 6% Ft	536
5 38 2 Go 2Ft	-	2035	FS 760 4Ft	356
5 39 6 2 Ff 5 40 2 6 2 Ff	-	4772	FS 106 67 Ft	212
5 40 2 6 2Ft	_	1,772	FS 12 6 6 2 Ft	40°
FS 36 @ 6 FF -S 37 @ 6 FF -S 38 9 @ 2 FF -S 40 2 @ 2 FF -S 41 2 @ 2 FF -S 42 1 @ 2 FF -S 43 1 @ 2 FF		1,449	FS 466 3 Ft	1,096
5 42 3 @ 2 Ff	_	1652	FS 476 3 Ft	1348
5 43 1 @ 2Ft		1348	FS 48 @ 2 F+	1652
		1176	FS 49 6 2 Ft	255
= 5 40 @ 3 Ft - 5 41 @ 3 Ft	_	1020	FS 50 @ 2 F1	2,552
5 42 6 3 FF	_	1176	FS 516 2 Ft	1,972
5 43637	_	1,260	F5 52 6 2 Ft	4096
5 10@ 4Ft	_	(,020	FS 52@ 3Ft	536
5 40 & 3 FT 5 41 & 3 FT 5 42 & 3 FT 5 43 & 2 FT 5 40 & 4 FT 5 41 & 4 FT 5 42 & 4 FT 5 43 & 4 FT 5 38 & 4 FT 5 39 & 6 FT 5 40 & 6 FT 5 41 & 6 FT	_	988	FS 516 3Ft	1,096
5 42@4F+	-	880	FS 48@ 3 Ft	696
5 43@ 4 Ft	-	880	FS 49 E 4 FT	696
5 386 4F4	-	1,792	15 50 G 4H	1260
5 39@ 4Ft	-	1.176	FS SIG 4Ft	1,652
S 38 Q 6FF		640	FS 49 6 6 FT	356
5 39 Q (Ff	_	756	B 50 60 6 FH	316
5 40 a 6 FF	_	400	FS SI 66F+	488
41 @ 6 Ft	_	488	FS 46 6 4F4	444
S 42@6F1		536	FS 47 64Ft	
S 43@6F1	_	444	FS 48 @ 6Ft	180
vus 1		400	FS 52 6 6 2 Ft	180
uwš 2	-	260	FS 53 M @ 2 Ft	128
US ?	_	488	FS 54 \$ 62 Ft	1,772
'S 44 @ 2Ft	_	588	FS 55 10 @ 2 F1	(020
/WS 1	_		FS 56 1 @ 2Ft	593
165 2	_		FS 57 6 0 2F1	1260
us 3			FS 58 (0) 2 F4	756
/ws 4	_		FS 59 6 2Ft	488
S 45 @ 2Ft		588	FS 16 @ 7 F4	1544
5 46 @ 2Ft	~	696	FS 17 @ 7 F1	1552
S 47 @ 2A		1020	K16 6,8A	1,260
			F5 17 @ 6 F4	2552
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 In	tended to be Deferred = SP #1 @ 4' In-Situ	GPS Sample Points, Center of Comp Areas
	•			



Date:	

Project:			
Project Number:	Latitude:	Longitude:	

4	Sample ID	PID/Odor	Chi	oride Conc.	GPS
3	F5 16 @ 9 Ft	-	880		013
	FS 19 @ 9 FF		880		
	FS 16 @ 10 Ft	-	488		
	FS 17 @ 10 F1		780		
	FS 54 @ 3F4	_	180		<u> </u>
	ES 55 @ 3F4	-	400		
ľ		_	180		
- 1	fS 28 G 4F4 FS 57 © 3Ft	-	4co		
	FS 60 @ JFt	-	1348		
	=5 61 0 2Ft	_	948		
-	5 62 @ 2H	_	816		
F	=5 63 60 JFt	_	356		
-	FS 60 60 3F1	æ	1260		
-	=560 60 4FH	-	588		
۳	561 @ 3rt	-	1020		†
	F3 61 69 9FF		1260		
	5 67 6 3Ft	~		·	
-	5 61 6 5Ft	_	536		
	=5 Gl @ GF7	_	948		
- 1	S 61 60 7FF	_	816		
-	5 61 60 8F1	_	1176		
-	-5 61 @ 9Ft	_	588		
_		_	180		
	TS 41 @ 9Ft TS 64 @ 2Ft	-	180		
r	5 65 @ 2F1	_	ND		
۳	566 (G) 2Ft	_	152		
-	5 67 @ 2Ft	~	ND		
Ti	=5 68 @ JFH	~	152		
li	5 69 6 2Ft	_	316		
Ī	3 45@ 7A	_	280		
¥	5 70 @ 2F1	-	356	·	
Ţ,	3 71 @ 2Ft	_	536		
7		_	1176		
	S 736 2Ft	-	588		
623	-S 746 2F	_	152		
12	5 750 aft	-	780		
6/2	Sample Point = SP #1 @ ## etc		Test Ti	ench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b
Ö.	Floor = FL #1 etc	111 @	6 Ft Refus	al = SP #1 @ 4'-R	Stockpile = Stockpile #1
Ò	Sidewall = SW #1 etc 👩 🥖	91	Soil Intended to be	e Deferred = SP #1 @ 4' In-Situ	GPS Sample Points, Center of Comp Areas
d b	J FOOT	41 @	9 1.		
ive	Lave	- 1			
Received by OCD: 6/31/2023 7:14:					





		Date:	
Project:			
Project Number:	Latitude:	Longitude:	

	Sample ID	PID/Odor	Chloride Conc.	GPS
F5	76 @# 2 F		180	
F5	77 @ 24	-	356	
F5	78 @ 2 F1	~	356	
FS	79 @ 2 FH	-	1176	
FS	80 @ 2 Ft	-	488	
FS	72 @ 354	_	316	
FS	93 @ 3Fr	-	280	
FS	81 @ 254	-	5.36	
F5	82 6 24	T	3/6	
F5	79 6 34	~	588	
FS	83 @ 9Ff	-	212	
F5	34 @ 6 2H	-	1/14	
FS	\$ 85 @ JF+		536	
fS	86 @ 2 Ft	~	536	
FS	87 @ 2 Ft	-	1544	
FS	88 @ 2F+	-	444	
FS	89 @ 2Ft	-	280	
55	90 6 2F1	-	244	
FS	91 @ 2Ft	-	756	
-5	92 Q 2F	-	536	
-5	93 @ 214	-	31/2	
F-S	74 @ 24	-	756	
=5	91 6 3Ft	-	488	
FS	8 7 0 34	-	256	
-5	94 @ 3Ft	_	1,348	
-S	95 @ 2A	~	244	
-3	96 G AFT	-	356	
-2	97 6 2Ft	-	696	
-5	98 (a) 2Ft	_	588	
Ś	99 Q 2F1	_	588	
-3	100 @ 2Ft	-	756	
-5	101 @ 2Ft	_	1620	
:5	59 @ 3Ft	~	244	
-35	108 @ 24		880	
:5	10) @ 2Ft		880	
3 3 3	106 @ 2 Ft		598	
5	Sample Point = SP #1 @ ## etc		Test Trench = TT #1 @ ##	Resamples= SP #1 @ Sb or SW #1b
	Floor = FL #1 etc		Refusal = SP #1 @ 4'-R	Stockpile = Stockpile #1
	Sidewall = SW #1 etc		Soil Intended to be Deferred = SP #1 @ 4' In-Situ	GPS Sample Points, Center of Comp Area



The state of the s

	Sample ID	PID/Odor	Chloride Conc.	GPS
F5	74 @ 4Ft	_	296	
FS	97 @ 3Ff	_	1020	
FS	98 (B) 3 Ft		296	
FS	99 @ 3 Ff		200	
FS	100 @ 3 Ff	_	664	
FS	101 @ 3Ff	-	920	
FS	108 Cg 3Ft	_	556	
FS	107 @ 384	-	296	
FS	106 @ .3Ft	_	1,428	
FS	99 @ 4Ft	-	228	
FS	160 @ 4Ft	-	416	
FS	101 6 4Ft	-	416	
FS	113 @ 24	-	172	
F5	114 @ 2F1	_	144	
FS FS	106 @ 4Ft	_	172	
F5	1:5 @ 2 Ft 104 @ 2 Ft	_	5881	
F3	104 @ 2 Ft	_	S8 8.	
FS FS	103 6 2 Ft	-	260	
FS_	102 G 2FF	-	756	·
F5	111 @ 2Ft	`	720	
F5	112 @ 2Ft	_	200	
FS	110@ 2Ft		724	
FS	116 6 24	-	[44] •	-
FS FS	117 6 254	-	172	
FS	119 G 2 Ft	_	4G0	
FS	119 @ 2 Ft		416	
FS_	120 @ 2 Ft		172	
FS FS	121 62 84		260	
	122 62 Ft		50%	
だ で で で で で	127 @ 2 Ft 124 @ 2 Ft 125 @ 2 Ft 126 @ 2 Ft 126 @ 2 Ft		296 55 6	
PS	124 02 54		556	
155	125 Q 2 Ft 126 Q 2 Ft 127 Q 2 Ft		556	
FS	126 & 2 FF 127 & 2 FF		\ <u> </u>	
PS	121 6 2 Ft	^	2532	
PS	VAS GILLET		4328	
F5	129 (4) 257		920	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = 5P #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.
Latitude:	Longitude:

	Sample ID	PID/Odor	Chloride Conc.	GPS
PROD		-	296	
FS	111 @ 3Ff		144	-
F5	110 (c) 3A		144	
FS	127 (a) 3 Ff		372	
FS	129 @ 3Ft		128	
FS	129 @ 3A	-	296	
FS FS	85 @ 3F4		286	
FS	71 (a) 3Ft		372	
FS	130 G 2A	_	506	
FS	131 @ 24		556	
FS	132 60 of	_	460	
SPL	@ Sulface		1428	
SP	1. @ IFT	_	1760	
SP	11.00 2Ft		1528	
)SP	11.00 3F1	_	1328	
SP	11.0 9A	-	152	
SP	11.00 SF1	_	1428 DFS 1 @ 6Ft	200
SP	2 @ Sufface	_	1,885	
) SP	261Ft	-	2533	
) SP	2 6 2 Ff	~	1528	
SP	2,6354	-	<u> 2533</u>	
OSP	2 64ft		460	
DSP	3. @ Surface	_	2532	
DSP	3 Q l. ff	-	2532	
DSD	302, F	_	2532	
DSP	3 @3. H	_	2532	
DSP	364. Ff	_	788	
DSP	305 FF	_	920	
DSP	306. Ft	~	952 <u>3</u>	
DES	4 @ Surface		2523	
DES	4@ 1F	_	1,398	
DFS DFS	4 @ 1Ft 4 @ 3Ft 4 @ 3Ft		664	
DFS	46 3F4	~	266	
DFS	560 SUIFOUT	_	2572	
DFS DFS pPs	561.H	_	2572 1,3,28	
DPS	502H	~	460	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc Sidewall = SW #1 etc Refusal = SP #1 @ 4'-R
Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Test Trench = TT #1 @ ## Resamples = 5P #1 @ 5b or SW #1b

Stockpile = Stockpile #1

Released to Imaging: 11/21/2023 11:24:46 AM



Soil Profile

	.,			Date:				
oject: Top Gun F	un Federal SWD #1							
oject Number:	16075	Latitude:	32.310006	Longitude:	-104.223121			
pth (ft. bgs)			Das	scription				
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Appendix C Photographic Log

Photo Number:

1

Photo Direction:

West

Photo Description:

View of the affected area.



Photo Number:

2

Photo Direction:

Northwest

Photo Description:

View of the affected area.



Photo Number:

3

Photo Direction:

North

Photo Description:

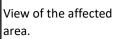




Photo Number:

4

Photo Direction:

Northeast

Photo Description:

View of the affected area.



Photo Number:

5

Photo Direction:

West

Photo Description:

View of the excavated area.



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:

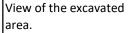




Photo Number:

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:

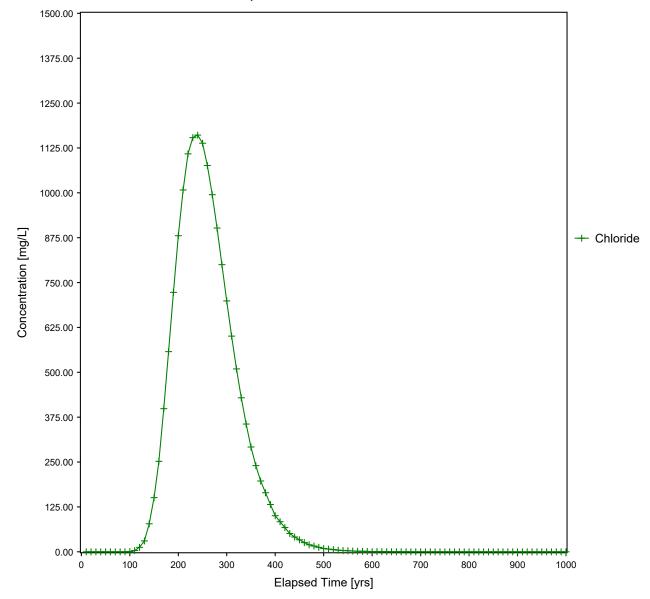
View of the remediated area after backfilling and regrading.



Appendix D Multimedia Exposure Assessment Model (MULTIMED)

Received by OCD: 6/21/2023 7:14:24 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
```

U.S. ENVIRONMENTAL PROTECTION AGENCY

EXPOSURE ASSESSMENT

MULTIMEDIA MODEL

MULTIMED (Version 1.50, 2005)

Imaging:

REM options

Mawbourne Oil Company T Gun Federal SWD #1

Commical 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
NVFT.AYR	_	Number of layers in flow model	3

OPTIONS CHOSEN

Van Genuchten functional coefficients User defined coordinate system

Layer information

LAYER NO.	LAYER THICKNESS	MATERIAL PROPERTY
1	0.47	1
2	2.03	1
3	26 15	1

Received by OCD: 6/21/2023 7:14:24 AM

DATA FOR MATERIAL 1

VADOSE ZONE MATERIAL VARIABLES

VARIABLE NAME	UNITS	DISTRIBUTION	PARA	METERS	LI	MITS
			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	 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-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

VARIABLE NAME	UNITS	DISTRIBUTION	PARA	METERS	LI	MITS	6,
			MEAN	STD DEV	MIN	MAX	of of
Residual water content		CONSTANT	0.116	-999 .	-999.	- 999.	365

Brook and Corey exponent, EN

ALFA coefficient

DATA	FOR	MATERIAL	3

1/cm

ALFA coefficient Van Genuchten exponent, ENN	1/cm 	CONSTANT	1.09	-999. -999.	-999. -999.	-999. -999.	Kecen
	DATA F	OR MATERIAL 3					ea by
	VADOSE ZON	E MATERIAL VARIABL	ES				<i>0</i> C <i>ν</i> :
VARIABLE NAME	UNITS			 ETERS		 MITS	
VARIADLE NAME	ONTID	DISTRIBUTION	MEAN	STD DEV	MIN	MAX	7073
Saturated hydraulic conductivity Unsaturated zone porosity Air entry pressure head Depth of the unsaturated zone	cm/hr m m	CONSTANT CONSTANT CONSTANT CONSTANT	0.848E-03 0.150 0.700 28.6	-999. -999. -999. 0.000	-999. -999. -999. 0.000	-999. -999. -999. 0.000	7.14:24 Am

CONSTANT

CONSTANT

-999.

0.500E-02 -999.

-999.

-999.

-999.

-999.

-999.

DATA FOR MATERIAL 3

VADOSE ZONE FUNCTION VARIABLES

VARIABLE NAME	UNITS	DISTRIBUTION	PARAN	METERS	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	3 -999.	-999.	-999.
Van Genuchten exponent, ENN		CONSTANT	1.09	-999.	-999.	-999.

UNSATURATED ZONE TRANSPORT MODEL PARAMETERS

NLAY	_	Number of different layers used		1
NTSTPS	_	Number of time values concentrati	on calc	40
DUMMY	_	Not presently used		1
ISOL	_	Type of scheme used in unsaturate	d zone	2
N	_	Stehfest terms or number of incre	ments	18
NTEL	_	Points in Lagrangian interpolatio	n	3
NGPTS	_	Number of Gauss points	1	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

		FOR LAYER 1 E TRANSPORT VARIABLE	ES				Kecerren oy ~~.
VARIABLE NAME	UNITS	DISTRIBUTION	PARA MEAN	AMETERS STD DEV	LI	MITS MAX	
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.	043 /117

CHEMICAL SPECIFIC VARIABLES

VARIABLE NAME	UNITS	DISTRIBUTION	PARA	METERS	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		PARAMETERS		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	yr	DERIVED	0.100E-08	-999.	-999.	-999.		
Spread of contaminant source	m	DERIVED	-999.	-999.	-999.	-999.		

Recharge rate

Source decay constant

0.000 -999. -999. -999. 0.250E-01 0.000 0.000 0.000 0.717E+04 -999. -999. -999. -999. -999. -999. -999. -999. -999. -999. -999. 1.00 0.000 0.000 1.00

AQUIFER SPECIFIC VARIABLES

CONSTANT

CONSTANT

m/yr

1/yr

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	-999. -999.	-999. -999. -999.	-999. -999.	-999. -999.	Received by OCD: 6/2
	AQUIFE	R SPECIFIC VARIABLE:	5				ОСД.
 VARIABLE NAME	 UNITS	DISTRIBUTION	 PARAM	 ETERS	 LI	 MITS	: 6/21/2023
			MEAN	_		MAX	23
Particle diameter		CONSTANT				-999.	:14:24 AM
Aquifer porosity		CONSTANT	0.300	-999.	-999.	-999.	2
Bulk density	g/cc	CONSTANT	1.86	-999.	-999.	-999.	** A
Aquifer thickness	m	CONSTANT			-999.	-999.	Ξ
Source thickness (mixing zone depth)	m	DERIVED	-999.	-999.	-999.	-999.	
Conductivity (hydraulic)	m/yr	CONSTANT	315.	-999.	-999.	-999.	
Gradient (hydraulic)		CONSTANT	0.300E-02	-999.	-999.	-999.	
Groundwater seepage velocity	m/yr	DERIVED	-999.	-999.	-999.	-999.	
Retardation coefficient		DERIVED	-999.	-999.	-999.	-999.	
Longitudinal dispersivity	m	FUNCTION OF X	-999.	-999.	-999.	-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+(0.200E+(0.300E+(0.400E+(0.500E+(0.600E+(0.700E+(0.800E+(0.900E+(0.100E+(0.110E+(0.120E+(0.130E+(02 0.00000E+00 02 0.00000E+00 02 0.00000E+00 02 0.00000E+00 02 0.00000E+00 02 0.00000E+00 02 0.00000E+00 02 0.11154E+00 03 0.48987E+00 03 0.36288E+01 03 0.12436E+02
0.140E+0	
0.150E+0	
0.160E+0	
0.170E+0	
0.180E+0	00 0.007132700
0.190E+0	03 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 7:14:24 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)

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: 07/22/2022

07/28/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: NONE GIVEN
Project Location: MEWBOURNE

Reported:

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	% 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	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)						
Surrogate: 1-Chlorooctadecane	93.4	% 42.5-16	1						

Cardinal Laboratories *=Accredited Analyte

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

Celeg & Freene



Analytical Results For:

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	% 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	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	% 43-149)						
Surrogate: 1-Chlorooctadecane	110 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 Sampling Date: Sampling Type: 07/22/2022

Soil

Project Name:

TOP GUN FEDERAL SWD 1

Sampling Condition:

Project Number:

NONE GIVEN

Sample Received By:

Cool & Intact Tamara Oldaker

Project Location:

MEWBOURNE

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

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	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 5	% 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	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)						
Surrogate: 1-Chlorooctadecane	85.3	% 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:

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 - 2 @ 2' (H223238-04)

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	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	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	% 43-149	1						
Surrogate: 1-Chlorooctadecane	82.0	% 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 - 3 @ 2' (H223238-05)

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	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	Analyze						
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	62.4	% 43-149	1						
Surrogate: 1-Chlorooctadecane	67.6	% 42.5-16	1						

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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 FEDERAL SWD 1
Project Number: NONE GIVEN

Project Location: MEWBOURNE

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

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	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	208	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	70.0	% 43-149)						
Surrogate: 1-Chlorooctadecane	76.8	% 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 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 - 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)						
Surrogate: 1-Chlorooctadecane	74.1	% 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

TOP GUN FEDERAL SWD 1

Project Name: TOP GUN FEDI 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 - 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	Analyzed 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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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 - 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 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	65.8	% 43-149	1						
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 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 Tamara Oldaker Sample Received By:

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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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 - 5 @ 6' (H223238-11)

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	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	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	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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Analytical Results For:

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

Гах

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 - 6 SURFACE SAMPLE (H223238-12)

Analyte Result Reporting Limit Analyzed Method Blank BS Benzene* <0.050 0.050 07/26/2022 ND 2.12 Toluene* <0.050 0.050 07/26/2022 ND 2.19	% Recovery 106 109	True Value QC 2.00 2.00	RPD 3.17	Qualifier
···	109		3.17	
Toluene* <0.050 0.050 07/26/2022 ND 2.19		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 % 69.9-140				
Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 % 42.5-161				

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

Project Number: NONE GIVEN Project Location: **MEWBOURNE**

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	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	66.8	% 43-149	1						
Surrogate: 1-Chlorooctadecane	71.7	% 42.5-16	1						

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07/22/2022

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

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

Sampling Date:

Sample Received By:

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

Project Location: MEWBOURNE

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

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	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	Analyze	d 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	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	62.9	% 43-149)						
Surrogate: 1-Chlorooctadecane	68.2	% 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

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

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)

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	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	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	1						
Surrogate: 1-Chlorooctadecane	75.2	% 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:

Applyzod By: 1H /

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

Sampling Date: Sampling Type:

Sampling Condition:

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

Sample Received By: Project Location: **MEWBOURNE**

Cool & Intact Tamara Oldaker

07/22/2022

Soil

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

DTEV 0021 B

B1EX 8021B	mg,	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, SM4500Cl-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)						
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	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, SM4500CI-B	mg/	/kg	Analyze	d 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	1						
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	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	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	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:

Sampling Date: 07/22/2022 07/28/2022 Sampling Type: Soil TOP GUN FEDERAL SWD 1

Project Name: Project Number: NONE GIVEN Project Location: **MEWBOURNE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

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	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	14000	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	74.8	% 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 Sampling Type: Soil TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact

Sampling Date:

Project Name: Project Number: NONE GIVEN

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

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

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	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	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	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	1						
Surrogate: 1-Chlorooctadecane	82.2 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

Project Location: **MEWBOURNE**

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

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	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 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	86400	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	74.5	% 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	u 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

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

Project Name: TOP GUN FEDERAL SWD 1

Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

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

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	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	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	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	1						
Surrogate: 1-Chlorooctadecane	78.0	% 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 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 - 2 @ 3' (H223238-24)

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, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	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 9	% 43-149)						
Surrogate: 1-Chlorooctadecane	85.5 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:

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

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

Sample Received By: Tamara Oldaker

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 0		ND	6.64	111	6.00		
Total BTEX	<0.300	<0.300 0.300 0		ND					
Surrogate: 4-Bromofluorobenzene (PID	nofluorobenzene (PID 102 % 69.9-140		0						
Chloride, SM4500Cl-B	le, SM4500Cl-B mg/kg			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	72.5 % 43-149)						
Surrogate: 1-Chlorooctadecane	65.9	% 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:

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

Project Name: Project Number: NONE GIVEN

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

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 0.150		ND	6.64	111	6.00		
Total BTEX	<0.300	<0.300 0.300		ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500Cl-B mg/kg		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	<10.0	10.0	07/26/2022	ND					
Surrogate: 1-Chlorooctane	85.7 % 43-149		1						
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 Sampling Type: Soil TOP GUN FEDERAL SWD 1

Sampling Date:

Project Name: Project Number: NONE GIVEN Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

07/22/2022

Project Location: **MEWBOURNE**

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	ogate: 4-Bromofluorobenzene (PID 99.4 % 69.9-14		0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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 Sampling Date: 07/22/2022 Sampling Type: Soil

Project Name: Project Number: TOP GUN FEDERAL SWD 1

NONE GIVEN

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

Project Location: **MEWBOURNE**

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

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	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)						
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	l-Bromofluorobenzene (PID 101 % 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	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	81.7	% 43-149)						
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 FEDI 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

	9,	9	7	1					
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	PID 100 % 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	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	91.0 % 43-149							
Surrogate: 1-Chlorooctadecane	86.9	% 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 Sampling Date: 07/22/2022 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 - 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 0.300 0		ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500Cl-B	CI-B mg/kg			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	82.1 % 43-149)						
Surrogate: 1-Chlorooctadecane	79.6	% 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: 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 - 10 @ 2' (H223238-32)

Project Name:

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	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	98.9	% 69.9-140	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	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	84.3	% 43-149	1						
Surrogate: 1-Chlorooctadecane	82.0	% 42.5-16.	1						

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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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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.	eaba	me	1											
City: Lovingto	on State: NM	Zip	: 88	260				A	tin:	R	bble	0	Puno	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		or los	retired visco of property of the	ED.	30 days ofter incurred by coor 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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES

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

Company Name		ions	, In	2.				I			B	H	L TO							A	NA	LYS	ilS	RE	QU	ES	Т			
Project Manage	r. Jance Crenshow							P	.0.	# :						T				T			T			T		T	T	
Address: P.C	D. Box 301							C	om	pai	ny:	4	Newbor	me																
City: Lovingto	on State: NM	Zip	88	260									e Run																	
Phone #: (57	5) 396-2378 Fax #: (575) 3	96-1	429						ddr																					
Project #:	Project Owner							C	ity:																					
Project Name: 7	TOP Gun Federal Swo	1.						S	tate	9:		2	Zip:				SM)	18												
Project Location								P	hor	10 1	P:				Chloride		PH (8015M)	BTEX (8021B)												
Sampler Name:	Amon Rios	-						F	ax i	P:					3		Ŧ	EX												
FOR LAB USE ONLY					M	ATR	X		PI	RE:	SER	v.	SAMPL	NG			F	BT												
Lab I.D. Haa3338	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	Soil	OIL SELLINGE	OTHER.	ACID/BASE	TOTO TOTO	ICE / COOL	OTHER:	DATE	TIME																
11	77-5 © 6F1		X			X			T				7-22-22		X		X	X										T		
12	TT-6 Surface Sample		×			X									1		1	1												
13	TT-6 6 2A		X			K																								
14	77-7 Surface Sample		X			X																								
15	77-7 @ 4Ft		X			X		1			_					1														
16	TT-8 Surface Sample		X			X		1		1	1	1				1	Ц													
17	77-8 0 4Ft TT-8 0 GREFUSOL		X		_	X	-	1	_	1	4	1			11	1		Ц	_											
18	TT-8 @ GREFUSAL		Y	_		X	-		\perp	1		1				1		4	+	_			1			1		1		
19	TT-9 Surface Sample		X		_	X	-	-		+		-	U		111	4	1	V	1	-		_	+			+		1		
ZO PLEASE NOTE: Liability at	77-9 & 3Ft nd Damages. Cardina's Saidily and client's exclusive remody for a	v clab	X			1	contin	of or t		all for	- Eresh		the execution	for the offers!	-	1		_					1							
analyses. All claims includ service. In no event shall C affiliates or successors aris	ing those for negligence and any ether cause whatseever shall be designed be liable for incidental or consequental demages, including ing out of or related to the performance of services hereunder by C	espe willow willow	d versio d librails program	ed only silon, b	unionen unionen	do in w intern	e gelle uploss	pal eve , šepa	calved of use	a, or	andin loos d	al will prof	hin 30 days after its incurred by o	r completion of Sect, its subsidence water or other	f the appli faries, wise.															
Relinquished B	7-22-22 Time; 655		1	a red	W	er.	9	d	1	de	Va		Lyc	Phone R Fax Res REMARI	ult:		Yes		O No			Phon Fax f								
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	: Etech Environmental & Safety Sol	utions	s, In	C.			T			B	1L	L TO							AN	LYS	SIS	RE	QU	EST			
Project Manage	"Lonce Cren Shaw							2.0.								T			T	T				T	1		
Address: P.C). Box 301						C	om	par	ıy: /	M	lewbo	urne			1											
City: Lovingto	on State: NM	Zip	: 88	260			A	lttm;	2	14	-	Runne	15			ı					1						
Phone #: (57	5) 396-2378 Fax #: (575)	396-1	429)	-			lddr			-			1													
Project #:	Project Own	H:					d	ity:																			
Project Name:	TOP Gun Federal Su	1	1.					State			Z	ip:			N N		100										
Project Locatio	n:						P	hor	ne d	l:				Chloride	90		802										
Sampler Name:	1 1							ax i						Ĕ	TPH (8015M)		BTEX (8021B)										
FOR LAB USE ONLY	7.010.1 70.00	T	Г		MAT	RIX		-	_	ERV	4	SAMPLI	NG		1		8										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE	CE / COO!	OTHER:		DATE	TIME														
21	TT-1 Surface Sample		Y		X		-				7	1-22-22		×	X		X										
33	TT-1 @ 4Ft		X X		X						L	1		1	1												
23	TT-2 Surface Sample TT-2 @ 3Ft		X		X			1			L					1											
24	TT-2 @ 3F4	1	X		X						1					1	1			1							
25	TT-3 Surface Sample	1	X		X			-	4	_	L			1	Ц	1			-	1	1						
26	TT-3 @ 3Ft	1	χ		X			1	_		L				П												
27	TT-4 Surface Sample		X		X			1	1		L				Ц	1			_								
28	TT-4 @ 2Ft	-	X		X			1	1		L				Н	1	1		-	-	-			-			
29	TT-5 Surface Sample		X		X			1	1	1	L	11/		W	1	1	1		-	1	1			-	_		
30	TT-S @ 4F1		X												0	1	V							1			
PLEASE NOTE: Liability as analyses. All claims include	nd Damages. Cantinal's liability and client's archeive econody for ing those for negligance and any other cause whatsoever shall be artinal to liable for incidental or consequential damages, includ	o decem	nd week	red unless	rmade in	wellin	g apad re	posives	I by C	ardinal	wills	in 30 days afte	r completion of 1	ter applica	alio												
affiliates or successors arisi	ng out of or related to the performance of services hereuzaler in	Cardine	d, regu	silees of t	abether s	wah a	laire is t	pessed o	upon :	any of t	ine s	shove stated to	esoas or stillowi	90.	- C3 V	Van	-	Ma		1 Pho							
Relinquished B	y: Date: 7- 22-23	2 146	SCEF	ved B	γ.			/	1		1	/	Phone Re Fax Resu	N:	0	Yes		No		1 Fax						-	
Relinquished B	Y: Date:	Ri	cel	ved B	UU V.	14	2	1	R.	K	5	gr	REMARK	S :													
	Time:												Please e	mail :	esu	its t	o pr	n@e	eche	nv.co	om.						
	- Bus - Other: 4.2° C-1). 6 H	c	Sa	Yes No	mine	1	n		HECH (Ini	tial	D BY:															

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name	: Etech Environmental & Safety Soluti	ions,	Inc	à.							BI	LL TO						AN	ALY:	SIS	RE	QUE	ST			
Project Manage	r. Lance Cranshaw							P.	0. #	ŀ									T				T	T		
Address: P.C	D. Box 301							Co	mp	any	1: 7	Membou	rne													
City: Lovingto	on State: NM	Zip:	88	260		,		Att	in:	Kle	266	ie Kun	10/5													
Phone #: (57	5) 396-2378 Fax #: (575) 39	96-14	429						dre																	
Project #:	Project Owner							Cit	ly:																	
Project Name: 7	TOP Gun Federal Swl	9	1.					Sta	ate:			Zip:			SM)	24 18										
Project Location								Ph	one	#:				Chloride	FPH (8015M)	BTEX (8021B)				1						
Sampler Name:	Aaron Rios							Fa	x #:					흥	I	X										
FOR LAS USE ONLY					M	ATRI	X		PR	ESE	RV.	SAMPLI	NG		1	B										
Lab I.D.	Sample I.D. 17-9@2ft 17-10@2Ft	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL		DATE	TIME													
3(TT-902 FF		X			X						27-22-22		X	X	X										
32	TT-10@2Ft		X			X						17-22-22		X	X	X										
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		\vdash	-		-	+	+			-	H				-	-	+	+	+	+				-	+	-
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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:

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

Received: 08/12/2022 Reported: 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 1 @ 4' (H223701-01)

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	08/17/2022	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						

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

TOP GUN FEDERAL SWD 1

Project Name: TOP G 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 2 @ 6' (H223701-02)

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	08/17/2022	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, SM4500Cl-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	1						
Surrogate: 1-Chlorooctadecane	107	% 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: 08/12/2022 Reported: 08/17/2022

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

 08/17/2022
 Sampling Type:
 Soil

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

Project Number: 16075
Project Location: MEWBOURNE

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

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

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	08/17/2022	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, 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	08/17/2022	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. Keine



Cool & Intact

Shalyn Rodriguez

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

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

 08/17/2022
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

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

Project Location: MEWBOURNE

Sample ID: FS 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	% 69.9-140)						
Chloride, SM4500CI-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							
Surrogate: 1-Chlorooctadecane	92.9	% 42.5-16	!						

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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: 08/12/2022 Reported: 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

Shalyn Rodriguez

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 Type: Soil TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Project Name: Project Number: 16075

Project Location: **MEWBOURNE**

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

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	08/17/2022	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 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	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	87.9	% 43-149	1						
Surrogate: 1-Chlorooctadecane	103 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: 08/12/2022 Reported: 08/17/2022

TOP GUN FEDERAL SWD 1

Project Name: 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 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 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	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	6 42.5-16	1						

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

08/12/2022Sampling Date:08/12/202208/17/2022Sampling 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: 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	% 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	08/17/2022	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	% 42.5-16	1						

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Celey D. Keine



Cool & Intact

Shalyn Rodriguez

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

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

 08/17/2022
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

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

Project Location: MEWBOURNE

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

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	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	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)						
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: 08/12/2022 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 10 @ 5' (H223701-10)

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	08/17/2022	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	720	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	89.5	% 43-149							
Surrogate: 1-Chlorooctadecane	105 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:

Analyzed By: 1H /

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

08/17/2022 TOP GUN FEDERAL SWD 1

Project Name: TOP G 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)

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	08/17/2022	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, SM4500Cl-B	mg,	/kg	Analyze	ed 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	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	84.1	% 43-149							
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: 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

Analyzed By: JH/

Project Location: MEWBOURNE

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

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	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, SM4500Cl-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	1						
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 Reported: 08/17/2022

TOP GUN FEDERAL SWD 1

Project Name: 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 13 @ 3' (H223701-13)

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	08/17/2022	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, SM4500Cl-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	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	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 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 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 Reported:

08/17/2022 Sampling Type:

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

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

Soil Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

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 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	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						

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Notes and Definitions

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

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

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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ARDINAL LA

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 Environm	ental & Safety Solut	ions							B	LL	70					ANALYSIS REQUEST
Project Manage	Lance Crer								0. #:								
Address: 2617	West Marland							Co	mpa	апу: /	me	uba	rne				
City: Hobbs		State: NM	Zip	: 88	240			At	tn:	cni	cr	wa	IKer				
Phone #: (575)	264-9884	Fax #:						1	idres							-	
Project #:	160°	75 Project Owne	HT:					Ci	ty:						S	a	
roject Name:	TOP	Gun Fed S	iw.	0	#/	,		St	ate:		Zip:			9	5	0	
roject Location		qual I			11			Ph	one	#:				Chloride	TPH (8015M)	(8021B)	
	Aaron Rio	5						Fa	x #:				E	1 =	9	×	ž
FOR LAB USE ONLY	71-1-11		T	П		MAT	RiX		PRE	SERV	S	AMPLI	VG	O	天	RTEX	<u> </u>
Lab I.D.	Sampl	e I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL	D	ATE	TIME			00	
	F5 1	@ 4 Ft		X		X					8-1	2-22		X	X	X	
2	FS 2	6 6 Ft				1						1		1	1		
3	FS 3	@ 2 Ft															
Ч	15 4	@ 2 Ft		Ш												П	
5	FS 5	@ 3 Ft														П	
4	F5 6	@ 3 Ft															
	FS 7	@ 3 Ft															
7		@ 1 54															
8	FS 8	Cy of 17									1						
8	FS 9 FS 9	6 3 F				1					1	11		lile			

Relinquished By:	Patriolog	Received By:	Phone Result:
Relinquished By:	Tirhe U58	Received By:	REMARKS: email results
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	10:)C-0	Sample Condition CHECKED BY Cool Intact (Initials)	

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

Released to Imaging: 11/21/2023 11:24:46 AM

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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		nental & Safety Solut	ions						1	1	BIL	LLTO		1			ANA	LYSIS	REC	QUES	1	
Project Manage	"Lance Cr	enshaw							P.O.	Ø:												
	7 West Marlan								Com	pany	1:7	navba	me									
City: Hobbs		State: NM	Zip	: 88	324)			Attn:	6	no	novbac	Ker		1							
Phone #: (575)	264-9884	Fax #:						- 1	Addr					70.	11							
Project #: 160	075	Project Owne	er:						City:						$\overline{\mathbf{z}}$	B						
	TOP GUN	Fed SWD	#	1					State	:		Zip:		ge	TPH (8015M)	(8021B)						
roject Location									Phon	e #:				Chloride	8	8						
ampler Name;	Aaron Rios								ax 1	:				Ĕ	=	×						
FOR LAB USE ONLY			L	Г		MA	TRI	(PI	RESI	RV.	SAMPLIN	NG	0	4	BTEX						
Lab I.D.	Samp	le I.D.	(G)RAB OR (C)OMP	# 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	F5 12.	6 6 Ft		X		X								X	×	X						
13		© 3 Ft © 2 Ft		X		X								X	X	X						
14	FS 13.	@ 2 Ft		X		X						11		X	X	×						
13 14	B 15	@ 2 Ft		7		X						U		*	×	×						
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Relinquished By: Relinquished By:	Date:	Received By:	erz	Fax Result: REMARKS: email resu	☐ Yes	Ø No	Add'l Fax #:
Delivered By: (Circle One) 5.0 Sampler - UPS - Bus - Other:		Sample Condition Cool Intact Yes Yes No No	CHECKED BY:				

[†] 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

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)

Received:

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	08/18/2022	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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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: Project Name: 08/19/2022

Sampling Type:

Soil Cool & Intact

TOP GUN FEDERAL SWD 1

Sampling Condition: Sample Received By:

Shalyn Rodriguez

Project Number:

16075

Project Location:

MEWBOURNE

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

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	08/18/2022	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	ed 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	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	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	% 42.5-16	1						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



08/15/2022

Soil

Analytical Results For:

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

Sampling Date:

Sampling Type:

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

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

Project Location: **MEWBOURNE**

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

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	08/18/2022	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	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)						
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
Project Number: Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE

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

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 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	% 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:

Applyzod By: 14

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

TOP GUN FEDERAL SWD 1

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 30 @ 2' (H223749-05)

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	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	% 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	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	% 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:

Applyzod By: 14

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

08/19/2022 TOP GUN FEDERAL SWD 1

Project Name: TOP GUN F 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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Celey D. Keene



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

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 32 @ 2' (H223749-07)

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	2.11	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	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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Celey D. Keine



Analytical Results For:

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

Applyzod By: 14

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

08/19/2022 TOP GUN FEDERAL SWD 1

Project Name: TOP G 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 33 @ 2' (H223749-08)

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	08/18/2022	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, SM4500Cl-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	1						
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 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 34 @ 2' (H223749-09)

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, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/18/2022	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	82.2	% 43-149	1						
Surrogate: 1-Chlorooctadecane	96.0	% 42.5-16	1						

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08/15/2022

Soil

Analytical Results For:

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

Sampling Date:

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

08/19/2022 Sampling Type:

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		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, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	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	1						
Surrogate: 1-Chlorooctadecane	90.4	% 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: 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 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 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	1960	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	90.1	% 43-149	1						
Surrogate: 1-Chlorooctadecane	108 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 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 17 @ 6' (H223749-12)

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	08/18/2022	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	% 69.9-140	0						
Chloride, SM4500Cl-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							
Surrogate: 1-Chlorooctadecane	115	% 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 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 18 @ 2' (H223749-13)

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	08/18/2022	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	560	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	92.4	% 43-149)						
Surrogate: 1-Chlorooctadecane	107	% 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 19 @ 2' (H223749-14)

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	08/18/2022	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	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	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	96.9	% 43-149	1						
Surrogate: 1-Chlorooctadecane	112 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 /

Tax

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 20 @ 2' (H223749-15)

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	08/18/2022	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	% 69.9-140	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	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	87.1	% 43-149							
Surrogate: 1-Chlorooctadecane	109	% 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 FEI
Project Number: 16075

Project Location: MEWBOURNE

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

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	08/18/2022	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	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	,						
Surrogate: 1-Chlorooctadecane	87.8	% 42.5-16	1						

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08/15/2022

Cool & Intact

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 Sampling Type: TOP GUN FEDERAL SWD 1 Sampling Condition:

Sampling Date:

Project Name: Project Number: 16075

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

Project Location: **MEWBOURNE**

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

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	08/18/2022	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	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	32.0	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	87.1	% 43-149	1						
Surrogate: 1-Chlorooctadecane	100 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:

08/16/2022

Reported: 08/19/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Received:

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)

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	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	96.0	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	80.7	% 43-149)						
Surrogate: 1-Chlorooctadecane	94.8	% 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:

Sampling Date:

Sample Received By:

Project Name: TOP GUN FE Project Number: 16075

Project Location: MEWBOURNE

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

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	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	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	80.6	% 43-149	1						
Surrogate: 1-Chlorooctadecane	94.4	% 42.5-16	1						

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Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

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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Received by OCD: 6/21/2023 7:14:24 AM

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 Solut	ions							BII	LTO					ANALYSIS REQUEST	
Project Manage	r. Jance Crenshow						P.O	. de								
	7 West Marland						Con	npar	ny: 7	newbou	rne					
City: Hobbs	State: NM	Zip	: 88	240			Attr	1:0	nno	or while	er					
Phone #: (575)	264-9884 Fax #:						Add	iress	3:							
Project #: 160	75 Project Owner	H":					City	r:					S	B		
Project Name: 7	TOP GUN FED SWO #1.						Stat	te:		Zip:		de	(8015M)	(8021B)		
Project Location							Pho	ne #	k:			i.	8	8		1
Sampler Name:	Auron Rios						Fax	#:				Chloride	=	X		
FOR LAB USE ONLY			П		MATE	IIX		PRES	ERV.	SAMPLI	VG .	0	TPH	BTEX		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER.	ACID/BASE:	OTHER:	DATE	TIME		1	B		
	ES 26 G 3.A ES 21 G 3.A		×		X					8-15-22		X	X	X		
2	FS 21 @ 3F4		X		×							X	×	*		
3	FS 28 6 3 FJ FS 29 6 3 FJ		X		X							×	X	×		
4	FS 29 @ 3. FI		1		4							1	×	30		
5	FS 30 6 2.FH		X		V							X	X	X		
6	FS 31 @ 3.FH		X		x							X	X	X		
7	F5 32 6 2.Ft		X,		x							X	X	y		
7	FS 33 6 2.Ft		X		x								X	V		
9	FS 34 @ 2.Ft		¥		X					11/		Y	X			
10	F5 35 @ 2.F+		4		V					0		Y	V	X		

analyses. All claims including those for negligence and any other cause whatsuever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damagee, including without firritation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliates or successors arising out of or retained 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 (1/2)	Received By:		Phone Result:	☐ Yes	Z No	Add'l Phone #:	
Norm his	Time: (045	Trodlio		Fax Result: REMARKS:	□ Yes	2 No	Add'l Fax #:	
Relinquished By:	Date:	Received By:	1000	email resu	ılts			
	Time:							
Delivered By: (Circle One) 5.12	1C-D.6	Sample Condition Cool Intact	CHECKED BY:					
Sampler - UPS - Bus - Other:	4.52 #	13 Yes Yes	TYC					

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

Received by OCD: 6/21/2023 7:14:24 AM

Page 24 of 24

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 E	nvironme	ental & Safety Solut	ions								BII	LLTO					ANA	LYSIS	REQ	UEST		
Project Manager:	Fance	Ger	Shaw							P.O.	#:												
Address: 2617										Com	pan	y: 7	Newba	ine	1								
City: Hobbs			State: NM	Zip	: 88	240				Attn:	C	nn	Mewber cr luk	lKer									
Phone #: (575) 2			Fax #:							Addı	ress	:					_		1 1				
Project #: 160	75		Project Owne	HT:						City:						2	B						
Project Name: 72	of Go	n F	ed SuD #1	/						State	9 :		Zip:		de	TPH (8015M)	(8021						
Project Location:										Phor	ne#	:			Chloride	8	80						
Sampler Name;	bron .	Mios	7						1	Fax i	#:				글	=							
FOR LAB USE ONLY	,			Τ.			MA	TRIX		P	RES	ERV.	SAMPLI	NG	O	표	TEX					1 1	
Lab I.D.	s	ample	e I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME		-	B.					-	
II F	3	16.	@ 6Ft		X		X						8-15-72		X	X	X						
12	1 FS	17.	1 6Ft		1		1								1								
13 14 15	F5	18.	12Ff		Ш		1																
14	FS	19.	1. 2H		Ш		1																
15	FS	20.	2Ft																				
10	FS	20.	2 FF																				
17	F5	22.	2.Ft																				
18	FS	23.	1 2A				П										. 1						
18	YF5	23.	V 3FF		1										11/	1	11,						
20 F	-5	25	(Q) 2H		V		0						0		V	0	0						
PLEASE NOTE: Liability and I unalyses. All claims including I service. In no event shall Card affiliates or successors arising of Relinquished By:	those for neglige linal be liable for out of or retailed	ince and any o	other cause whatsoever shall be consequental damages, includin	deemed g withou Cardinal	l warve t limita regard	d unless ion, bus less of	made iness ir whether	in writing	g and r	eceived s of us	by Ca ie, or lo	erdinal w	other 30 days after offits incurred by d above stated rea	completion of ti	he applicat ries te	ble □ Ye	- /2	No Add	Phone #	16-			

Relinquished By:	Date: Work	Received By:		Phone Result:	☐ Yes	Z No	Add'l Phone #:
1 1	8/11/20	501		Fax Result:	☐ Yes	2 No	Add'i Fax #:
1/-	Time:	XXXXXXIII	nil	REMARKS:			
· Decar ha	149	0 0001010	100				
Relinquished By:	Date:	Received By:		email resu	ults		
	Time:						
Delivered By: (Circle One)) C-O.	Sample Condition	CHECKED BY:				
7.10			(Initials)	i .			
Sampler - UPS - Bus - Other:	450#	113 PYes Tres	XX				
	1	No No					

[†] 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:

Applyand By 1H /

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

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 40 @ 6' (H223799-01)

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	08/19/2022	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, SM4500Cl-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						

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Celey D. Keene



Analytical Results For:

Fax To:

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

Analyzed By: JH/

08/18/2022

mg/kg

Reported: 08/23/2022

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 41 @ 6' (H223799-02)

Received:

BTEX 8021B

DILX GOZID	ilig/	, kg	Andryzo	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	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	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	119	% 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: 08/18/2022 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 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 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	121 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 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 43 @ 6' (H223799-04)

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	08/19/2022	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 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	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	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 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 %	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 Sample Received By: Project Number: 16075 Shalyn Rodriguez

Project Location: **MEWBOURNE**

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

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	08/19/2022	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, SM4500CI-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						

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Analytical Results For:

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

08/18/2022 08/23/2022

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 45 @ 6' (H223799-06)

Received:

Reported:

Project Name:

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	08/19/2022	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	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	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						

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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 1 @ 6.5' (H223799-07)

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	08/19/2022	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	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	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	114	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	136	% 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: 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 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 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, SM4500CI-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

TOP GUN FEDERAL SWD 1

Project Name: TOP G 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 10 @ 6.5' (H223799-10)

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	08/22/2022	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, 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	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	113	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	135	% 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 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	ed 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	Analyze	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	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	111	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	133	% 46.3-17	78						

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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

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

 08/23/2022
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

Project Name: TOP GUN FEDERAL SWD 1
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	% 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	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	% 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

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: 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 %	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

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: 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 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	87.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106 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

08/23/2022 Sa

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: NWS 1 (H223799-15)

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	08/22/2022	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	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	78						

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08/18/2022

Soil

Analytical Results For:

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

Sampling Date:

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

08/23/2022 Sampling Type:

Analyzed By: JH

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

Project Location: MEWBOURNE

mg/kg

Sample ID: NWS 2 (H223799-16)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	ed 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	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	111 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	136	% 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

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

 08/23/2022
 Sampling Type:
 Soil

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

Project Location: MEWBOURNE

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

Sample ID: NWS 3 (H223799-17)

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	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	ed 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	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	104	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	125	% 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: NWS 4 (H223799-18)

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	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, 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	08/22/2022	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	08/22/2022	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	138	% 46.3-17	78						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



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 Solut	ons	BI	LLTO				ANALYSIS REQUEST	
Project Manager	: Farce Crenshaw		P.O. #:						
Address: 2617	West Marland		Company: 7	Membourne					
City: Hobbs	State: NM	Zip: 88240	Attn: Con	nor ubler					
Phone #: (575)	264-9884 Fax #:		Address:						
Project #: /60		r.	City:		1	5	(8021B)		
	TOP GUN FED SWOTH		State:	Zip:	0	TPH (8015M)	21		
Project Location			Phone #:	Lip.	Chloride	0	8		
Sampler Name:	Loson Kios		Fax #:		일	8	3		
FOR LAB USE ONLY	porter jaio j	MATRIX	PRESERV	SAMPLING	Ö	I	TEX		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME		_	.α		
1	FS 40 6 6 FF	XX		8/18/22	X	X	X		
2	FJ 41 6 6 Ft	1 1					1		
3	F5 42 6 6 Ft								
4	FS 43 6 6 Ft								
5	F 44 B 6 FT								
6	PS 45 @ 6 FT								
7	FS 1 B 65 FF								
81	FS 2 6 6 2 Ft								
7	FS 7 @ 4Ft					111	(1)		
101	FS 10 A) 65 FT	UUU				U			
nelyses. All claims including service. In no event shall Car	If Demages. Circlina's flability and disnife exclusive remady for gli those for negligance and any other cause whatsoever shall be trithal be flable for incidental or consequental damages, including gout of or related to the performance of services hereunder by	deemed waived unless made in writing g without limitation, business interruptio	and received by Cardinal ins, loss of use, or loss of p	within 30 days after completion of ti rolls incurred by client, its subsidis	he applical nries ise	le Ye	B Ø No	o Add'i Phone #:	

Relinquished By:	# 100 Time:	Received By:	Phone Result: Fax Result: REMARKS:	☐ Yes	☑ No ☑ No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Date: Time:	Received By:	email resu	ults		
Delivered By: (Circle One) Sample UPS - Bus - Other:	3.9:#	I Plyan Tryan				

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

Released to Imaging: 11/21/2023 11:24:46 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

Company Name		ions								BI	LL	70					ANALYS	SIS REC	WEST		
Project Manage	r. Lance Crenshaw							P.O.	#:												T
	7 West Marland							Con	par	ny: 7	nec	bou	ne	1				1 1			
City: Hobbs	State: NM	Zig): 88	824	10			Attn	.0	enne	oru	Und	Ker	1				1 1			
Phone #: (575)		-		-				Add				V D: V							1		
		er:						City	:					1	5	B				1	
Project Name:	70PGUN Fed SWD #	t/				-		Stat	-		Zip:			e	TPH (8015M)	(8021B)					
Project Location								Pho	ne i		-			Chloride	ò	8					
Sampler Name:	Laron Rios						_	Fax					-	1을	8)	×					
FOR LAB USE ONLY		T	Г		M	ATRI	_	_	_	SERV	S	AMPLI	VG	O	프	BTEX					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	D	ATE	TIME		F	B					
11	FS 12 6 65 Ft		×)						8-1	8-22		×	¥	X					
12	wws 1		V		×				T			1		7	X	У					
13	was 2	T	X)	(4	X	X					
the same of the sa	wws 3		K)									×	×	X					
	NWS 1		V)	1								×	×	X					
	NWS 2		×)	(×	X	4					
	NWS 3		×		1	2			T		1	,		X	X	X					
	NWS 4		X			X								1	V	X					
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service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subst 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 researce or otherwise.

Relinquished By: Relinquished By:	518122 Time:	Received By: Received By:	ne	Phone Result: Fax Result: REMARKS: email resu	Yes Yes	☑ No ☑ No	Add1 Phone #: Add1 Fax #:
Delivered By: (Circle One) 4 Sampler UPS - Bus - Other:	7 i/c - 0 Lo 3.9° #11	Sample Condition Cool Intact Yes Tes	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 08/19/22 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)

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:

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

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

Project Name: TOP GUN FEDERAL SWD 1

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: 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	% 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	85.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.2	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey & 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: TOP GUN FEDERAL SWD 1
Project Number: 16075

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

Project Location: MEWBOURNE

ma/ka

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	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	ed 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	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	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	78						

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Celey D. Keine



08/19/2022

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

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

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

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

Sampling Date:

Sample Received By:

Project Name: TOP GI Project Number: 16075

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	Analyze	d 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 Project Number: 16075 Sample Received By: 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 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	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:

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
Project Number: 16075 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE

ma/ka

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

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	08/22/2022	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:

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

TOP GUN FEDERAL SWD 1

Project Name: 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)

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	2.09	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 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	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 9	6 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample 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 SM4500CI-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

Received by OCD: 6/21/2023 7:14:24 AM

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: Etech Environmental & Safety Solutions					BILL TO										ANAI	LYSIS	RE	QUES	iT					
Project Manager:									0.#															
Address: 2617 W								C	omp	any	T	newbor	me											
City: Hobbs		State: NM	Zij	p: 8	8240			At	tn: (Con	no	rual	Ker				ĺ							
Phone #: (575) 264		Fax #:							idre							_								
Project #: 1667	5	Project Own	ЭН":					Ci	ty:						TPH (8015M)	6								
Project Name: 70P	Gun Fe	d SwD#	1.					State: Zip:						ge	15	2	1							
Project Location:								Pt	none	#:				Chloride	8	X (8021B)								ı
Sampler Name: Ac	aron Kios	5						Fa	x #:						=								1	
FOR LAB USE ONLY			T	Т		MAT	RIX	PRESERV. SAM					NG	10	급	BTEX	1						1	
Lab I.D.	Sample	e I.D.	(G)RAB OR (C)OMP	Z	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME			8								
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4	39	@ 6 Ft		X		×								×	X	X								1
5	49	@ 6Ft	1	×		×		1			4	11/		X	×	1								-
6	52 (@ 3Ft		V		L	1	1			4	V		1	7	A	-					-	_	1
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EASE NOTE: Liability and Dam	none Cardinal's Estility a	nd client's michaine remede fo	any da	im ari	ing whell	or based	in contra	ct or to	VI. she	be fin	nited to	the amount pai	d by the client fo	r the		_								
nelysee. All claims including thos miles, in no event shall Cardinal	e for negligance and any	other cause whatsoever shall b	e deem	ed wai	ved unless	made in	writing as	nd reci	neved b	y Card	Inal wi	thin 30 days afte	or completion of t	the applical	ble									
Milates or successors arising out	of or retated to the perform	nance of services hereunder by	Cardin	al, regi	ved B	whether a	uch clain	n is bai	sed up	on any	of the	above stated re-	Phone Re	se	□ Ye	s Z	No	Add	Phone	# :				
A M-	,	8-19.72			1		. 1	. ,	11	11		1/10	Fax Resu REMARK		☐ Ye	s Z	No	AddT	Fax #:					
extron Kes	7	Time: 653		-	11/1	1111	10	4	MI	120	EX.	J.			**									
Relinquished By:		Date:	R	ecei	ved B	y:							email	resu	IITS									
		Time:																						
Delivered By: (C	ircle One)	5,9° C-6	1/	0	Sa	mple	Condi	ition	T			ED BY:												
Sampler - UPS - B	us - Other:	3,7e) C-C	11 1	7	C	Yes No	ntact Ye	98			Initi													
5	(5.3c	#-//	5	Ī	No	\square N	lo		y							4							

[†] 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:

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

08/23/2022

Sampling Date:

08/23/2022

Reported: Project Name:

Received:

08/29/2022

Sampling Type:

Soil

Project Number:

TOP GUN FEDERAL SWD 1

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

Project Location:

MEWBOURNE

16075

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

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	08/24/2022	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, SM4500CI-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	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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Cool & Intact

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:

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

Project Number: 16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

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

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	08/25/2022	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	% 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	480	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	87.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	105	% 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 Sampling Date: 08/23/2022

Reported: 08/29/2022 Sampling Type: Soil

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

Project Location: **MEWBOURNE**

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

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	08/24/2022	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, 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	08/24/2022	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	79.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.2	% 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:

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: Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	ed 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	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	86.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103	% 46.3-17	78						

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08/23/2022

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: Soil TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact

Sampling Date:

Project Name: Project Number: 16075

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

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

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	08/24/2022	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, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	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	108 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	127 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: 08/23/2022 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 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, 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	08/24/2022	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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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: TOP GUN FEDERAL SWD 1 Sampling Condition:

Project Name: Project Number: 16075

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

Sample Received By:

Cool & Intact Tamara Oldaker

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

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	08/24/2022	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 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	08/25/2022	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 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

Analyzed By: JH/

Project Location: MEWBOURNE

mg/kg

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

BTEX 8021B

DILX GOZID	mg/	- Kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2022	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 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	272	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	68.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.0	% 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: 08/23/2022 Reported: 08/29/2022

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

 08/29/2022
 Sampling Type:
 Soil

Project Name: TOP GUN FEDERAL S' Project Number: 16075

Project Location: MEWBOURNE

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

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

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	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	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: 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 Tamara Oldaker Project Number: 16075 Sample Received By:

Project Location: **MEWBOURNE**

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

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	08/24/2022	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	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*	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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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

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

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

Project Location: MEWBOURNE

Sampling Date: 08/23/2022 Sampling Type: Soil

Sample Received By:

Cool & Intact Tamara Oldaker

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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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

Analyzed By: JH

Project Location: MEWBOURNE

mg/kg

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

BTEX 8021B

DILX GOZID	ıııg,	- Kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2022	ND	2.02	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	512	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	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 Sampling Date: 08/23/2022

Reported: 08/29/2022 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: FS 57 @ 3' (H223863-13)

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	08/24/2022	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	144	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	73.7 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.5	% 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:

Applyzod By: 14

Sampling Date:

08/23/2022

Reported:

Received:

RTFY 8021R

08/23/2022 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 58 @ 2' (H223863-14)

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	<i>'8</i>						

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Celey D. Kreine

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

TOP GUN FEDERAL SWD 1

Project Name: 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 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	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						

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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 11:24:46 AM

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 Solut	ions								1	BIL	LL	70	II.					AN	ALY	SIS	REC	QUE	ST			
Project Manage	- Larce Crenshaw							P	.0.1												T				T	T	
	7 West Marland							C	omp	oan	y: *	Nec	ubour	ae													
City: Hobbs	State: NM	Zij	o: 8	824	0	-							valker		1												
Phone #: (575)	264-9884 Fax #:								ddre																		
Project #: 160	275 Project Owner	er:						C	ity:							3	0										
Project Name:	7075 Project Owner TOP Gun Fed SWO #	= /.						_	tate			Zip	:		e	5	C	V									
Project Location									City: State: Zip: Phone #: Preserv! SAMPLING City: State: Zip: Phone #: PRESERV! SAMPLING																		
Sampler Name:	Acron flos							-	Fax #:																		
FOR LAB USE ONLY	July 2 Park	T	T	T		MAT	RIX		_	_	ERV.	5	SAMPLIN	IG	CHI TPH (
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:		DATE	TIME		-	0	٥									
1	D 10010 FT		X			X						8.	23-22		X	X)										
2	FS 176 10 Ft															1											
2 3 4 5 AR	FS 2864 FH		Ш																								
4	F5 46 @ 4Ft		Ш	L													Ш										
5 AR	FS 48 6 4FT		Ш														П										
6	FS 48 6 4F1		Ш														Ш										
7	FS 50 G 6FT		П														Ш										
8	FS 51 @ GFE																										
9	FS 53@ 2F+											1	1		11	NI	,	,									
(4)	FS 54@ 3Ft		1/1			V						1			V	V	11										

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

Released to Imaging: 11/21/2023 11:24:46 AM

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	-100	h Enviro	nmenta	l & Safety Solu	tions								all	LLTO					AN	ALYS	IS RE	QUE	ST	
Project Manage	r. Lan	ce Cri	en 5h	cw						_	P.O.													
Address: 261											Con	par	1y: 7	Meubor or Wal	rne	1								
City: Hobbs				State: NM	Zip	o: 88	240				Attn	:Ca	nn	or Wal	Ker									
Phone #: (575)	264-9	884		Fax#:							Add													
Project #: 160	075			Project Own	er:						City						S	8						
Project #: 160 Project Name:	TOP (aun F	ed	Sw0 #1.							Stat	e:		Zip:		ge	5	12						
Project Location	n:										Pho	ne #	t:			Chloride H (8015M) EX (8021B)								
Sampler Name:	Auro	n Ric	15								Fax	#:			9 - N									
FOR LAB USE ONLY					1			MA	TRI	(F	RES	SERV.	SAMPLI	NG	Chloride TPH (8015M) BTEX (8021B								
Lab I.D.			ple I	.D.	(G)RAB OR (C)OMP	AIN	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME		T	.a						
11	FS	55	0	3Ft		X		X						8-23-22		X	X	X						
12	ES	56	0	2Ft		X		X						1		Y	X	x						
13	FS	<i>5</i> 6 <i>5</i> 7	6	3Ft		X		X						1/1		1	X	V						
14	FS	58	6	2Ft	•	1		X						V		Y	y	4						
13 14	FS	59	0	2FF		V		×						5-23-22		×	×	X						
													3											

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:	Phone Result:	☐ Yes	Z No	Add'l Phone #:
	8-33-27		Fax Result:	☐ Yes	Z No	Add'I Fax #:
0 X/ 1/-	Time;	Tayour 1 Novalton	REMARKS:			
Socon 100	1600	muita vacasta				
Relinquished By:	Date:	Received By:	email resu	lts		
	Time:					
Delivered By: (Circle One)	3-100	6 c Sample Condition CHECKED BY:				
019	Je Con	Cool Intact (Initials)				
Sampler - UPS - Bus - Other:	470 H	1/2 Pres Pres				
	7116 71	□ No □ No				

[†] 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)

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: 08/25/2022 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 60 @ 4' (H223928-01)

DTEV 0021D

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	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						

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Celey D. Keine



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 61 @ 9' (H223928-02)

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 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	% 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: 08/25/2022 Reported: 08/30/2022

 08/25/2022
 Sampling Date:
 08/25/2022

 08/30/2022
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

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

Project Location: MEWBOURNE

Sample ID: FS 62 @ 3' (H223928-03)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	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	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	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	86.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	100	% 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: 08/25/2022 Reported: 08/30/2022

08/25/2022Sampling Date:08/25/202208/30/2022Sampling Type:SoilTOP GUN FEDERAL SWD 1Sampling Condition:Cool & Intact

Sample Received By:

Project Name: TOP GU Project Number: 16075

Project Location: MEWBOURNE

Sample ID: 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	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	103	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118	% 46.3-17	78						

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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: 0/2022 Sampling Type:

Sampling Condition:

Sample Received By:

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

Project Location: MEWBOURNE

Sample ID: FS 64 @ 2' (H223928-05)

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	224	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	73.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	85.2	% 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: 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: JH/

Project Location: MEWBOURNE

mg/kg

Sample ID: FS 65 @ 2' (H223928-06)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	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	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	79.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.2	% 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: 08/25/2022 Reported: 08/30/2022

TOP GUN FEDERAL SWD 1

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 66 @ 2' (H223928-07)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	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	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	78						

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Celey D. Keine



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 Date: Sampling Type:

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

Project Location: **MEWBOURNE**

Sampling Condition: Sample Received By:

Sample ID: FS 67 @ 2' (H223928-08)

TEX 8021B	mg,	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	113 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	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	81.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.0	% 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

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 68 @ 2' (H223928-09)

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	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	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	<i>'8</i>						

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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 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 69 @ 2' (H223928-10)

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	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	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	84.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.2	% 46.3-17	<i>'</i> 8						

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Celeg & Freene



Cool & Intact Shalyn Rodriguez

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

 08/25/2022
 Sampling Date:
 08/25/2022

 08/30/2022
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

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

Project Location: MEWBOURNE

Sample ID: FS 70 @ 2' (H223928-11)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	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	10						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	08/29/2022	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*	<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	51						
Surrogate: 1-Chlorooctadecane	99.3	% 46.3-17	78						

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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: 08/25/2022 Reported: 08/30/2022

TOP GUN FEDERAL SWD 1

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 71 @ 2' (H223928-12)

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	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	ed 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	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	91.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	121	% 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 Sampling Date: 08/25/2022 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 41 @ 7' (H223928-13)

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	08/29/2022	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	ed 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	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	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
Project Number: 16075

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

Project Location: MEWBOURNE

Sample ID: FS 45 @ 7' (H223928-14)

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	08/29/2022	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	ed 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	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	83.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.3	% 46.3-17	78						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Released to Imaging: 11/21/2023 11:24:46 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 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		
	11111	
/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

PLEASE NOTE: Listability and Cardinal's fability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All clusters including those for negligence and any other cause whatever shall be deemed within and research and received by Cardinal within 30 days after complotion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurrently beginning the short stated reasons or otherwise.

Relinquished By:	Date:	Received By:	Phone Result:	☐ Yes	Z No	Add'l Phone #:	
			Fax Result:	☐ Yes	Z No	Add'I Fax #:	
	Time:		REMARKS:				
Relinquished By:	Date: USO	Received By:	email resu	ılts			
Delivered By: (Circle One)	Sladas	Sample Condition CHECKED BY	-				
Sampler - UPS - Bus - Other:	1.8° #	Cool Intact (Initials) Yes Yes No No No					

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

Released to Imaging: 11/21/2023 11:24:46 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				& Safety Soluti										410					ANALYSIS REQUEST	
Project Manage	r: Lan	ce Cr	enst	aw							P.O.	#:	- 4.6a							
Address: 261											Com	pan	y: 7	Mewb	ourne	1				
City: Hobbs				State: NM	Zig): 88	3240)						or wa		1				
Phone #: (575) 264-988	34		Fax #:							Addr					1				
Project #: 160				Project Owne	er:						City:					1	5	0		
Project Name:	TOP G	un Fe	di	SWD #1.							State			Zip:		9	TPH (8015M)	(8021B)		
Project Locatio											Phor	ie #:				Chloride	ò	80		
Sampler Name:	Agres	1 Nic	25								Fax	k:				글	8)	×		
FOR LAB USE ONLY					T	Г		M	ATRL	X	P	RES	ERV.	SAMPL	ING	O	표	BTEX		
Lab I.D.		Sampl	le 1.[).	(G)RAB OR (C)ON	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME			B		
11	FS	70	@	25		X			X		1			835.3	7	X	X	X		
12	FS	71	6	2 FT	1	-					1	-		1		1	1	1		_
13	FS	41	0	77	-	1		+	-	\sqcup	1	+				1	1	-		
14	FS	45	6	7Ft	╀	-		+	-	-	+	+	H	1			-			
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PLEASE NOTE: Liability a	and Damasons Co	adout table.	and disease	a membraine compade for	any da	in min	na who	ther ha	and in o	undrard.	v bort of	and the	September 1	to the amount of	id by the client fo	r the				_

PLEASE NOTE: Liability and Damague. Cardinal's fability and denris exclusive retriety for any class arrange whether based in contract or tox, main be arrange to the amount paid by the count to the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed whether unless made in writing and received by Cardinal within 30 days after completion of the applicable tendon, in no event shall Cardinal be labtle for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profiles incurred by client, its subsidiaries affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date:	Received By:	Phone Result: Yes No Add'l Phone #:
			Fax Result: Yes 2 No Add'l Fax #:
	Time:		REMARKS:
Relinquished By:	Date: 25/22	Received By:	email results
Down Kins	Time: 1052	Slode que	
Delivered By: (Circle One)	10-0.10	C Sample Condition CHECKED	Y:
Q T	1000	Cool Intact (Thitials)	1
Sampler - UPS - Bus - Other:	1.8° #	113 Yes Yes No No	

[†] 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

2617 W MARLAND

HOBBS NM, 88240

Project Number: 16075

Project Manager: LANCE CRENSHAW

Project: TOP GUN FEDERAL SWD 1

Fax To:

Reported: 01-Sep-22 16:09

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

FG #4 0 4

FS 73 @ 3' H223949-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al 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
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	80.0		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			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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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	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 (PIL))		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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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	ls 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 (F	PID)		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
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	416		16.0	mg/kg	4	2090112	AC	01-Sep-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)		116 %	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			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	tories					
Inorganic Compounds										
Chloride	256		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 (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	l Laborat	ories					
Inorganic Compounds										
Chloride	480		16.0	mg/kg	4	2083013	AC	30-Aug-22	4500-Cl-B	
Volatile Organic Compounds l	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			107 %	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 81 @ 2' H223949-10 (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	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 (PII	D)		115 %	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			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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2083013 - 1:4 DI Water								· · · · · · · · · · · · · · · · · · ·		
Blank (2083013-BLK1)				Prepared &	: Analyzed:	30-Aug-22				
Chloride	ND	16.0	mg/kg							
LCS (2083013-BS1)				Prepared &	Analyzed:	30-Aug-22				
Chloride	448	16.0	mg/kg	400	·	112	80-120			·
LCS Dup (2083013-BSD1)				Prepared &	Analyzed:	30-Aug-22				
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	
Batch 2090112 - 1:4 DI Water										
Blank (2090112-BLK1)				Prepared &	Analyzed:	01-Sep-22				
Chloride	ND	16.0	mg/kg							
LCS (2090112-BS1)				Prepared &	Analyzed:	01-Sep-22				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2090112-BSD1)				Prepared &	Analyzed:	01-Sep-22				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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%REC

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

Spike

Source

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 A	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

Project Number: 16075

Project Manager: LANCE CRENSHAW

Spike

Source

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. Keene, Lab Director/Quality Manager

Page 16 of 17

Received by OCD: 6/21/2023 7:14:24 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

Company Name	Etech Enviro	nmen	tal & Safety Solul	ions								BIL	U	70						ANA	LYSIS	S RE	QUE	ST		
Project Manage	Tare Cre	nsha	w							P.O. 1																
Address: 261	-									Comp	pany	1:7	Nea	V 600	irne											
City: Hobbs			State: NM	Zij	o: 8	324	0			Attn:	Cor	nno	76	wal	IKer .				1							
Phone #: (575)	264-9884		Fax #:						-	Addn								_								
Project #: /60	-		Project Owne	H:						City:							5	m								
Project Name:		ed								State	:		Zip:			e	(8015M)	(8021B)	1							
Project Locatio			0.5				-			Phon						Chloride	ò	8	1						1	
Sampler Name:		75				-			-	Fax #	_					은	8	V								
FOR LAB USE ONLY	7,0,10.11			T	T		M	ATRI	_	_	RESE	RV.	S	AMPLIN	IG	O	TPH	BTEX								
Lab I.D. <i>H223</i> 949	San	ple	I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	D	ATE	TIME		T	B								
-	FS 7.	3	@ 3Ft		X			1					8-3	16-22		X	X	Y								
2	FS 7	3	G 3F1		X		X									X	X	X								
3	FS T	14	63F1		X)									X	X	X								
4	FS "	5	624		X)	4								X	X	X								
5	FS	76	@ 2 Ft		X)									X	X	X								
6	FS	77	@ 1 Ft		X)	1								X	X	X		91	1.2					
7	FS 1	18	6) 21		X)	4								V	X	X		91						
8	FS	79	@ 3 Ft		×)	(1	1		X	×	X								
9	FS	79	@2F		y			X					8-2	6-22		×	X	X								
11)	FS 8	1	6 2F+		X		1	4					8-	26-22		X	K	X								

Relinguished By:	Date:	Received By:	Phone Result:	☐ Yes	☑ No	Add'l Phone #:
			Fax Result:	☐ Yes	₽ No	Add'I Fax #:
	Time:		REMARKS:			
Relinquished By:	8 26-22	Received/By:	email res	ults		
i Foron Nies	Time 35	Thurara May for				
Delivered By: (Circle One)	_ /	Sample Condition CHECKED BY:				
Sampler - UPS - Bus - Other:	4.0c/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)

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: 08/30/2022 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: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 82 @ 2' (H223980-01)

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	09/01/2022	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	% 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



08/30/2022

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: Soil

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

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

Sampling Date:

Project Location: MEWBOURNE

Sample ID: FS 83 @ 2' (H223980-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2022	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	/kg	Analyze	ed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Analyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	272	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	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	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: 08/30/2022 Reported: 09/02/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP GL 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 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	% 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	16.0 08/31/2022		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	% 46.3-17	<i>'</i> 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: 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 85 @ 2' (H223980-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		09/01/2022	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	% 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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Cool & Intact

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

 08/30/2022
 Sampling Date:
 08/30/2022

 09/02/2022
 Sampling Type:
 Soil

Sampling Condition:

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

16075 Sample Received By: MEWBOURNE

Sample ID: FS 86 @ 2' (H223980-05)

Project Location:

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	alyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	16.0 08/31/2022		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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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

/2022 Sampling Date: /2022 Sampling Type:

Sampling Condition:

Sample Received By:

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

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	40						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240 16.0		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	ate: 1-Chlorooctane 83.4 % 4		1						
Surrogate: 1-Chlorooctadecane	84.9	% 46.3-17	8						

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08/30/2022

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

09/02/2022 Sampling Type: Soil
TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Project Name: TOP G 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	nalyzed Method Blank		% 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 % 45.3-161		1						
Surrogate: 1-Chlorooctadecane	88.0	% 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: 08/30/2022 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 89 @ 2' (H223980-08)

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	09/01/2022	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 0.150		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	alyzed Method Blank		% 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	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

Sampling Type:

Applyzod By: 14

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

Project Location: **MEWBOURNE** Sampling Date: 08/30/2022

Soil

Sampling Condition:

Sample Received By:

Cool & Intact Shalyn Rodriguez

Sample ID: FS 90 @ 2' (H223980-09)

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		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	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 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	Analyzed Method Blank		% 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	78						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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101	East	Marland	l, Hot	bs, h	M	88240
(5	75) 3	93-2326	FAX	(575)	393	-2476

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Cyanghaw											B	BIL	L TO			_			ANA	LYS	S RE	EQUE	ST				
Project Manage	: Lo	nce Crons	shaw								P.C). #:								T			T				
	Box										Col	mpa	ny:	41	new bear	ne										- 1	- 1
City: Lovingto	m		St	ate: NM	Zip	: 88	260				Att	n: (con	101	walk	er						1	1				
Phone #: (575	i) 396-	-2378	Fa	x #: (575)	396-1	429						dres					1										- 1
Project #: /60	75		Pr	oject Owne	r:						City	y:							_								
Project Name: 7		Gun Fed	Swi) #1.							Sta	te:		2	Zip:			TPH (8015M)	BTEX (8021B)							- 1	
Project Location											Phone #:						Chloride	801	80								
Sampler Name:	Aaro	n Rios									Fax#:					ह	Ĭ	X									
FOR LAB USE ONLY					T	Г		MA	TRD	(PRE	SER	٧.	SAMPLI	NG	1	F	19								
Lab I.D. H223980		Samp	le I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
(F'S	82	@	2 F1	T	X		X	_			-	X		8-30-22		X	X	X								
2	F5	83	63	2 Ft		1		f					1		1			1	Li								
3	F5	84	63	2 Ft													П										
45	FS FS	85	6	2 Ft																							
5	FS	86	(a)	2 ft															П								
6	fs fs	87	(c)	3 ft															Ш								
7	FS	88	(2)	2 ++		Ш												Ш									
8	FS	89	()	2 ++																							
	FS	90	6	2 Ft				1					4		11.		1	1	11								
6	f5	91	@	3 ft		V		V					0		0		P	0	V								
efficies or successors arisi	ng those i ardinal be ng out of	ee, Cardinat's liability for negligence and an liable for incidental o or related to the parfo	y other cause r consequent rmance of ser	whetsoever shall build damages, includingles hereunder by	ng witho Cardina	ed well ut limit d, rega	ed unler ellon, bu rdiess o	a made uheas i whath	in with	ing and dons, i	recei	wed by use, o	Cerdin r loss o	nal wi of pro	thin 30 days after ofte incurred by	r completion of t stort, its subskile acons or otherw	the applica iries, lee.										
Relinquished B	y:		D	120/22	R		ved E									Phone Re Fax Resu		O Y		□ No		I Phon I Fax #				 	
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Delivered By Sampler - UPS	(Cir	rcle One) s - Other:	1.6c	10.0.1	Q°C		0	ampli cool	Inta	ect					ED BY:												

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 Revision 1.0

Received by OCD: 6/21/2023 7:14:24 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)

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: 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 92 @ 2' (H224035-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.05	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	% 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	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	% 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: 09/01/2022 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 93 @ 2' (H224035-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	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	% 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	336	16.0	09/06/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	190	94.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	204	102	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	89.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 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: 09/01/2022 Sampling Date: 09/01/2022 Reported: 09/07/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes) 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 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: 16075 Sample Received By: Shalyn Rodriguez

Project Location: **MEWBOURNE**

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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Celey D. Keene



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: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 96 @ 2' (H224035-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2022	ND	2.05	103	2.00	11.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.03	101	2.00	11.9	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	1.97	98.5	2.00	11.8	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.14	102	6.00	11.6	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	09/02/2022	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	% 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 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: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 98 @ 3' (H224035-07)

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	09/06/2022	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	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	85.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.1	% 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: 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 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, 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	09/06/2022	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	78						

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Celey D. Keine



09/01/2022

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 Type: Soil Sampling Condition: ** (See Notes)

Sampling Date:

Project Name: TOP GUN FEDERAL SWD 1

Sample Received By:

Shalyn Rodriguez Project Number: 16075 Project Location: **MEWBOURNE**

Sample ID: FS 100 @ 4' (H224035-09)

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	09/02/2022	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	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	85.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.8	% 46.3-17	78						

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: 09/01/2022 Reported: 09/07/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP G 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 59 @ 3' (H224035-10)

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	09/02/2022	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, SM4500CI-B	mg,	/kg	Analyze	ed 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	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	86.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.7	% 46.3-17	78						

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Celey D. Keine



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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Celey D. Keine

Received by OCD: 6/21/2023 7:14:24 AM

RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	: Etech Environ	mental & Safety	Solution	ns, lı	IC.				T			BIL	LL TO							ANA	LYS	IS I	REQ	UES	T		
Project Manage	r. Jonce Cr	erstow							P.	0. #	k:						Г					Т	T				
Address: P.O	. Box 301								Co	omp	any	1: 1	Newbox	me													
City: Lovingto	on	State: N	M Zi	p: 8	826	0			At	tn:	Co	nre	rwd	Ker				Ì			1					1	
Phone #: (57	5) 396-2378	Fax #: (575) 396	-142	9					idre																- 1	
Project #: 160		Project (Ci	ty:			_		1		Ι.								- 1		
Project Name:	Top Gun Fo	ed Swo #	t/.						St	ate:			Zip:			TPH (8015M)		BTEX (8021B)									
Project Locatio									Pł	none	e #:				Chloride	801		80									
Sampler Name:	Acron Ric	25							Fa	x #:					흥	I	1	X									
FOR LAB USE ONLY				T	T		MATR	XIX	•	PR	ESE	RV.	SAMPL	ING	1	F	Н	8									
Lab I.D. <i>H 2</i> 24035		ole I.D.		(G)KAB OK (C)OMP	CONTONIONATED	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
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2	FS 9.		7										1		1	11		1									
3	FS 9	4 @ 4F	1																								
4	FS 9!																										
5	fs 9					-		4	1						11	11	1	Ш			_		1	1	_		
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enelyses. All claims includes envice. In no overthealt of artificates or successors are included in the common of	ing those for regitigance and rundinal be liable for incidents ing out of or related to the par y;	any other cause whethoeve or consequential damage formance of services here: Time: Date: Time:	r shall be dee , including will under by Gard	reed we thought fire in all reed to the control of	nived minutes gardie	d By	nde in ween interest	ch dail	nd rec , lose on n is be	elved to of use, used up	or less	retinal was of promy of the	a shove stated of	or completion of client, its subsid	the application, vice. esult: ult: (S:	□ Y	08		No No	Add	I Phon I Fax #	# :					
Sampler - UPS	- Bus - Other:	8.82	#11	3		Co	Yes No	Tact	es lo		5	(Init	(als)														

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 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

A I J D. ... 711

Project Location: MEWBOURNE

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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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 Sampling Date: 09/02/2022 Sampling Type: Soil

Project Name: TOP GUN FEDERAL SWD 1

Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez

Project Number: 16075 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 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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 9	6 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 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, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	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	8						

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Celey D. Keene



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 124 @ 2' (H224055-04)

Project Number:

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	Analyzed 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 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:
 09/02/2022
 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 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	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	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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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 126 @ 2' (H224055-06)

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	09/08/2022	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, SM4500Cl-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:

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 127 @ 3' (H224055-07)

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	09/08/2022	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 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	8						

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09/02/2022

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: Soil
Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See

Project Name: TOP GUN FEDERAL SWD 1 Sampling Condition: ** (See Notes)
Project Number: Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 128 @ 3' (H224055-08)

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	09/08/2022	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	% 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	% 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 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	Analyzed 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 Reported: 09/09/2022

09/09/2022 Sa TOP GUN FEDERAL SWD 1 Sa

Project Name: TOP GU 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 130 @ 2' (H224055-10)

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	09/08/2022	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	208	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	09/08/2022	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	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

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) Shalyn Rodriguez Sample Received By:

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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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

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Project Number: 16075
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	Analyzed 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	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	09/08/2022	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:

Analyzed By: JH/

09/02/2022

Sampling Date:

09/02/2022

Reported:

Received:

BTEX 8021B

09/09/2022

Sampling Type:

Soil

Project Name:

TOP GUN FEDERAL SWD 1

Sampling Condition: Sample Received By: ** (See Notes) Shalyn Rodriguez

Project Number:

16075

Project Location: **MEWBOURNE**

Sample ID: FS 114 @ 2' (H224055-14)

DILX GOZID	iiig/	, kg	Andryzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2022	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, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	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	97.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 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 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, SM4500CI-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	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	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:

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

Analyzed By: 1H /

Project Location: MEWBOURNE

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	ed 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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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) Shalyn Rodriguez Project Number: 16075 Sample Received By:

Project Location: **MEWBOURNE**

Sample ID: FS 117 @ 2' (H224055-17)

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	09/08/2022	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	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	09/08/2022	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	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:

Sampling Date:

Sampling Type:

Received: 09/02/2022 Reported: 09/09/2022

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 118 @ 2' (H224055-18)

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	09/08/2022	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	Analyze	d 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	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 119 @ 2' (H224055-19)

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	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	09/08/2022	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) Shalyn Rodriguez Project Number: 16075 Sample Received By:

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 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/08/2022	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	93.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104 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:

Analyzed By: JH/

Received: 09/02/2022 Reported: 09/09/2022 Sampling Date: 09/02/2022 Sampling Type: Soil

Project Name:

BTEX 8021B

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)

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2022	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	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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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

Analyzed By: 1H /

Project Location: MEWBOURNE

Sample ID: FS 103 @ 2' (H224055-23)

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	1.90	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	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	% 46.3-17	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 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 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 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	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	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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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 106 @ 4' (H224055-26)

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	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	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 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	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	70.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	71.0	% 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
 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 108 @ 3' (H224055-28)

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	09/07/2022	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	79.3	% 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: 09/02/2022 Reported: 09/09/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP GU 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 109 @ 2' (H224055-29)

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, 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	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	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: 16075 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE

Sample ID: FS 110 @ 3' (H224055-30)

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	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			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:

09/02/2022 Reported: 09/09/2022

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Received:

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	
EXT 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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09/02/2022

Soil

Analytical Results For:

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

Sampling Date:

Received: 09/02/2022 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 132 @ 2' (H224055-32)

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	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	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	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 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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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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RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	ompany Name: Etech Environmental & Safety Solutions, Inc.												AN	ALYS	SIS F	REQU	EST								
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Address: P.O	. Box 301								Com	par	ıy: 7	me	ewbor	me				- 1		1		1			
City: Lovingto	on	State: NM	Zip	: 88	260			1	Attn:	Co	nno	R	Walk	er											
Phone #: (579	5) 396-2378	Fax #: (575) 39	6-1	429					Addr								L								
Project #: 16	075	Project Owner	:					C	City:								Ι.					1	1		
Project Name:	TOP GUN Fed	SWD#1						5	State	9 :		Zi	ip:			SM)	TPH (8015M) BTEX (8021B)								
Project Location								F	Phor	ne il	k:				Chloride	TPH (8015M)						1			
Sampler Name:	Aaron Rics							F	ax	#:					흥	I		X		1					
FOR LAB USE ONLY						MA	RIX		P	RES	BERV	I	SAMPLIN	IG .		F		B							
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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	: Ete	ch Environme	ental & Safety Sole	ıtions	, Inc).						BI	LLT	0						AN	ALY	SIS	REC	QUE	ST			
Project Manage			shak						P	.0. 1	#:																	
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City: Lovingto	on		State: NM	Zip	: 88	260			A	ttn:	Co	nn	cri	wo	lker			l			1			1		- [
Phone #: (57	5) 396-2	378	Fax #: (575)	396-	429)			-	ddre																		
Project #: /6	075		Project Own						C	ity:							_						- 1					
Project Name:	TOP	Gun Fe	d Swo #1	1					S	tate	:		Zip:			9	IPH (8015M)	OTEV (9024E)										
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PLEASE NOTE: Liability a analyses. All cleams includ service. In no event shall (and Demages. Ing those for a Cardinal be fai ing out of or re	negligence and any of ble for incidental or or	d client's exclusive rernedy for their cause whatboover shall be presquential damages, includence of services hereunder by Date:	ing with Cardin	ed web out Bird of, regs	red unte letton, bi	es made in selves inte if whether :	with	g and re one, lose	ceived of use	by Ce , or lo	rdinal v as of pr	olibin 30 da villa incura	ys allo ed by d	compirtion of t	no applica rice, so. suit: it:	D Ye		□ No		d'I Pho							
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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		ronmental & Safety Sol		s, In	2.						A	311	L TO							ANA	LYS	S R	EQUI	EST			
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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	: Etech	Environme	ental & Safe	ty Solution	ns, I	nc.				I			BIL	LL TO						ANA	LYS	S RE	QUE	ST		
Project Manage	r. Lone	e Crei	rshaw							P.	0.#	t:														
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	5) 396-237			(575) 396	-142	29				A	ddre	5 8:														
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Project Name:	TOP GO	un Fed	SWD	#1.						St	ate:			Zip:		9	5M	218			1	1				
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FOR LAB USE ONLY					T	Т	-	MAT	RIX	-	PR	ESE	RV.	SAMPL	NG	1	F	2	1					1		
Lab I.D.		Sample	e I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
3	FS	131	@ 2 +	7	Т	X		X			Т			9/2/22		X	X	X								
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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)

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:
 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 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						

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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. @ 1' (H224109-02)

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	09/09/2022	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						

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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

Sample Received By:

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

Sampling Condition: Cool & Intact

Tamara Oldaker

Project Location: MEWBOURNE

Sample ID: DFS 1. @ 2' (H224109-03)

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	09/09/2022	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	d 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	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	90.0	% 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: 09/07/2022 Reported: 09/12/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP GU 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. @ 3' (H224109-04)

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	09/09/2022	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	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	78						

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09/06/2022

Cool & Intact

Soil

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

09/12/2022 Sampling Type:
TOP GUN FEDERAL SWD 1 Sampling Condition:

Sampling Date:

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

Project Number: 16075 Sample Received By: 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	% 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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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 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 1. @ 5' (H224109-06)

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	2.06	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:

09/07/2022 09/12/2022 Sampling Date:

09/06/2022

Reported: Project Name:

Received:

TOP GUN FEDERAL SWD 1

Sampling Type: Sampling Condition: Soil Cool & Intact

Project Number:

16075

Sample Received By:

Tamara Oldaker

Project Location:

MEWBOURNE

Sample ID: DFS 1. @ 6' (H224109-07)

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	09/09/2022	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	160	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	94.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.3	% 46.3-17	8						

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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: DFS 2. @ SURFACE (H224109-08)

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	09/09/2022	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	ed 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	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	89.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.8	% 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:

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 2. @ 1' (H224109-09)

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	09/09/2022	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 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	2640	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	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	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	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	1360	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	64.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	69.4	% 46.3-17	8						

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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 2. @ 3' (H224109-11)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2022	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 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	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. 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 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 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	% 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	% 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 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	% 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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.6	% 46.3-17	8						

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Celey D. Keene



Tamara Oldaker

Sample Received By:

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
Project Location: MEWBOURNE

Sample ID: DFS 3. @ 1' (H224109-14)

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	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	ed 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	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	95.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 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: 09/07/2022 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 3. @ 2' (H224109-15)

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	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	9600	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	95.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.7	% 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 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. @ 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 Reported: 09/12/2022

TOP GUN FEDERAL SWD 1

Project Name: TOP GU 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. @ 4' (H224109-17)

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	09/09/2022	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	ed 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	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	93.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	78						

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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

Sample Received By:

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

Project Location: MEWBOURNE

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	% 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	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	% 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

TOP GUN FEDERAL SWD 1

Project Name: TOP GU 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	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	110	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	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*	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	% 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

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 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 2.59 GRO C6-C10* <10.0 10.0 09/09/2022 ND 207 103 200 2.59 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 Processor Analyzed Recovery True Value QC RPD Analyzed Processor Analyzed Recovery True Value QC RPD Analyzed RPD	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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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. @ 1' (H224109-21)

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	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	ed 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	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	88.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.4	% 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

Project Location: **MEWBOURNE**

Sample ID: DFS 4. @ 2' (H224109-22)

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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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 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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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 GI 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 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	<i>'</i> 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 5. @ 1' (H224109-25)

Received:

Reported:

Project Name:

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	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 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 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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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: 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						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

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

Analyzed By: 1H /

Received: 09/07/2022 Reported: 09/12/2022

TOP GUN FEDERAL SWD 1

ma/ka

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: NWS 5. (H224109-28)

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	2.05	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, 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	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	82.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	87.3	% 46.3-17	8						

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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

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

Company Name	ompany Name: Etech Environmental & Safety Solutions, Inc. roject Manager: Fanc Crenshaw ddress: P.O. Box 301													BII	LL TO							ANA	LYS	IS F	REQ	UES	T		
	bject Manager: Lanc Crenshaw Idress: P.O. Box 301 by: Lovington State: NM Zip: 88260 Idress: (575) 396-2378 Fax #: (575) 396-1429											0. 1	_						T					T	T				
											Co	omp	any	: 7	Newba	ine	1			- 1									
City: Lovingt	on			State: NM	Zip	: 88	260				_				r well		1											-	
Phone #: (57	5) 396-2	378		Fax #: (575)	396-1	429						idre					1			- }							1		
Project #: /60				Project Own	er:						1	ty:					1		1	_								- 1	
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FOR LAB USE ONLY	7015	11110			T	Т		M	ATR	1X		-	ESE	RV.	SAMPL	ING	1	F		B									
(G)RAB OR (C)OMP. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL									SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
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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		mental & Safety Sole	_	, In	C.						-	BIL	LL TO							ANA	LYS	IS R	REQU	JEST			
Project Manage	Jane State: NM Zip: 88260 State: NM State: N																\neg							T		T	
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City: Lovingt	on	State: NM	Zip	: 88	260				Att	n: (on	no	or way	Ker	1												
Phone #: (57	5) 396-2378	Fax #: (575)	396-	1429				_		dre					1	1											
Project #: 160	075		Hr:						Cit	y:					1							1		1			1
Project Name:	TOP GUN F	ed Swo #1.							Sta	ite:			Zip:			2		21B					1	1			
Project Locatio									Ph	one	#:				Chloride	TPH (8015M)		BTEX (8021B)					1				1
Sampler Name:	Aaron Rios								Fax	x #:					등	Ĭ,		EX					1				
FOR LAB USE ONLY			1	Г		M	ATRE	X		PR	ESE	RV.	SAMPLI	NG	1	F	:	10									
Lab I.D. #224109	Samp	le I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
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PLEASE NOTE: Liability or	DFS 4. G	SUFFACE and client's and client	- Charles	V	no who	1//	/ od in co	notract c	or tort	abal	he lin		o the amount neit	by the client in	ÍΛ	V		V									
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affiliates or successors are	ing out of or related to the perfo	y other cause wheteover shall be r consequental damages, include mance of services hereunder by Date:	Cardin	il, regi	rdees	of wheth	er such	chaim i	e bee	ed up	on any	of the	above stated re-	Phone Re	ioo.		Yes		No	Add	Phon	0 #-		_			
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 33 of 33

Released to Imaging: 11/21/2023 11:24:46 AM

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

Company Name	Phone #: (575) 396-2378 Fax #: (575) 396-1429 Project #: 160 75 Project Owner: Project Name: Top Gun Fed Swo #1. Project Location:										BI	LL TO					AN	ALYS	SIS R	EQUE	ST			
Project Manage	Address: P.O. Box 301 City: Lovington																							
Address: P.O	. Box 301							C	omp	oany	y: 7	Mewb	ourne										- 1	
City: Lovingto	on	State: NM	Zip	88	260			A	ttn:	Co	nn	d wa	Ker					1					1	- 1
Phone #: (57	5) 396-2378	Fax #: (575) 39	96-1	429				A	ddre	988:														
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Project Name:	TOP Gun Fed	Sw0 #1.						S	tate	:		Zip:		0	TPH (8015M)	BTEX (8021B)								
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Sampler Name:	Aaron Rias							F	ax#	:				Chloride	H	Ĭ,								
FOR LAB USE ONLY						MAT	RIX		PF	ESE	RV.	SAMPL	NG		1	10								
GGRAB OR (C)OMP. **CONTAINERS GROUNDWATER WASTEWATER SOIL								SLUDGE OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
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PLEASE NOTE: Liability or analyses. All claims includi service. In no event shall C	nd Darmagea, Cardinel's liability and on ng those for negligence and any oth- sedinal be liable for incidental or con- posed of craleted to the performan	client's exclusive remedy for an or cause whatsoever shall be d sequental damages, including on of senious harmander by C	y clair seme withou	n orieir d waie et ilmite	ng whethered unless	made in	in contra writing eruption	act or to and rec	ort, sive colved of use	il be li by Cur , or les	irrated to	o the amount pai Wiln 30 days afte offis incurred by	d by the client for r completion of dent, to subside enone or others	r the the applical srice,	alo									
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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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES

ompany Name:	Etech	Environm	ental & S	Safety Sol	utions	, Inc	.					88	BI	LL TO							ANA	LYSI	SR	EQUE	ST			
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ity: Hobbs			Star	te: NM	Zip	: 88	240				Attı	n: (6	nni	100/1	13-1										1 4			
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OR LAB USE ONLY					T		-	M/	ATRI	X		PRES	SERV.	SAMP	ING			F	B									
L ab I.D. 2241 60		Sample	e I.D.		G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASIEWAIEK	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIN	E										-		
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ISE NOTE: Liability and ses. All claims including se. In no event shall Car tes or successors arking	those for neglig dinal be liable for out of or relate	ence and any of r incidental or co	ther cause who consequental d	stroever shall b emages, includi	e deeme ng withou	i wate t timba	d union don, but	made iness i	in well qumetn	ng and tions, lo	receiv es of s	ed by C me, or I	ardinal v	ithin 30 days at office incurred by	client, its su	n of the	applicat se,	ole .										_
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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:

A I J D. ... 711

Received: 02/23/2023 Reported: 02/27/2023

TOP GUN FEDERAL SWD 1

Project Name: TOP G 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 @ 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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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 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, 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	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						

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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

 02/23/2023
 Sampling Date:
 02/23/2023

 02/27/2023
 Sampling Type:
 Soil

 TOP GUN FEDERAL SWD 1
 Sampling Condition:
 Cool & Intac

Project Name: TOP G Project Number: 16075 Sampling Condition: Cool & Intact
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						

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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 7 @ 1' (H230862-04)

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	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 5	% 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 02/23/2023

02/23/2023Sampling Date:02/23/202302/27/2023Sampling Type:SoilTOP GUN FEDERAL SWD 1Sampling Condition:Cool & Intact

Sample Received By:

Project Name: TOP GU Project Number: 16075

Reported:

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 %	6 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	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 %	6 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: TOP G 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 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	% 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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 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:

Sampling Date: 02/23/2023 02/27/2023 Sampling Type: TOP GUN FEDERAL SWD 1

Project Name: Project Number: 16075

Project Location: MEWBOURNE - EDDY CO NM

Soil Sampling Condition: Cool & Intact

Sample Received By:

Tamara Oldaker

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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Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

Received: 02/23/2023 Reported: 02/27/2023

Project Name: TOP GUN FEDERAL SWD 1

Project Location: MEWBOURNE - EDDY CO NM

16075

Sampling Date: 02/23/2023

Sampling Type: Soil

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

Sample ID: DFS 8 @ 2' (H230862-08)

Project Number:

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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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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

 02/23/2023
 Sampling Date:
 02/23/2023

 02/27/2023
 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 - 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, SM4500CI-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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 %	% 49.1-14							

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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: Sample Received By: 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	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	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 Sampling Date: 02/27/2023 Sampling Type:

Project Name: TOP GUN FEDERAL SWD 1

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

02/23/2023

Soil

Project Number: 16075

Reported:

Project Location: MEWBOURNE - EDDY CO NM

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	100 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed 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	% 48.2-13	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:

Received: 02/23/2023 Reported:

Sampling Date: 02/23/2023 02/27/2023 Sampling Type: Soil TOP GUN FEDERAL SWD 1 Sampling Condition: Cool & Intact

Project Name: Project Number:

16075 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: DFS 9 @ 1' (H230862-12)

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	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	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed 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	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	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	% 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:

02/23/2023 02/27/2023

TOP GUN FEDERAL SWD 1

Project Number: 16075

Received:

Reported:

Project Name:

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 @ 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*	<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	102 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	6 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:

02/23/2023 02/27/2023

Project Name: TOP GUN FEDERAL SWD 1

Project Number: 16075

Received:

Reported:

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*	<0.050	0.050	02/25/2023	ND	1.93	96.3	2.00	0.0880	
Total 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	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed 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						

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Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 14

02/23/2023 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 @ 2' (H230862-15)

Received:

Reported:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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*	<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, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	02/24/2023	ND	400	100	400	3.92	
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	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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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 @ 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*	<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	99.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	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 9	% 49.1-14	8						

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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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

(575) 393-2326 FAX (575) 393-2476	/-				
Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST			
Project Manager: Toe Lowry	P.O. &:				
Address: P.O. Box 301	Company:				
City: Lovington State: NM Zip: 88260	Attn:				
Phone #: (575) 396-2378 Fax #: (575) 396-1429	Address:				
Project #: 16075 Project Owner: Mewbow rat	City:				
Project Name: Top Gun Fed SWD #061	State: Zip:	9 (N S 2 1 B)			
Project Name: Top Gun Fed SWD # 001 Project Location: Rure Eddy Co., NM	Phone #:	Chloride TPH (8015M) BTEX (8021B)			
Project Location: Pure Eddy Co., NM Sampler Name: Migwel Remove2	Fax #:	[8] M			
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING				
# CONTAINERS GROUNDWATER WASTEWATER SOIL	ACIDIGE OTHER: ACIDIGASE: OTHER: ATHER: OTHER:				
1 DFS60 Sufface GII X	1 7.79.23 DA:00	YXX			
2 DF36 @1' G 1 X	1 09:10	* < ×			
2 DF36 @1' G ' X 3 DF37 @ Susface G I X	Y) 09:20	XXX			
4 IDES 7 @ 1	5 09:39	XXX			
5 5F5702' 31 X	09:40	8 x x			
6 DESS @ surface GII F	09:50	XXX			
8 DESS & Z' GI X	1 10:00	XXX			
8 DF18 67' G1 X	10:30	XXX			
9 DEST 61 X	¥ 1 11:00	17.72			
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in com-	act or tort, shall be limited to the amount paid by the client for	the Control of the Co			
enelyses. All claims, including those for negligenos and any other cause whatscever shall be deemed waived unless made in writing service. In no event shall Cardinal be tisble for incidental or consequental demages, including without limbation, business interruption.	ns, loss of use, or loss of profits incurred by client, its subsidis	he applicable rise,			
Affiliation or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such of Received By:	im is bessed upon any of the above stated reasons or otherwi				
There //a and	Fax Resul				
Refinquished By: Date: Received By:	allawaye	Standard			
		All let at a			
Time:	Please e	mail results to pm@etechenv.com.			
Delivered By: (Circle One) Sample Con Cool Intac	Ittion CHECKED BY:				
Sampler - UPS - Bus - Other: 0.6 0.0 Tyes Tyes	es V				
FORM OCC	NO				

FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes, Please fax written changes to 575-393-2476

Released to Imaging: 11/21/2023 11:24:46 AM

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/2

(575) 393-2326 FAX (575) 393-2476	*	-1
Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Soe Lossy	P.O. #:	
Address: P.O. Box 301	Company: Mes #01 FF	
City: Lovington State: NM Zip: 88260	Attn:	
Phone #: (575) 396-2378 Fax #: (575) 396-1429	Address:	
Project #: 1675 Project Owner: Mew bour ne	City:	
Project Name: Top Gun For SWD \$ 001	State: Zip:	Chloride TPH (8015M) BTEX (8021B)
Project Location: Zvral. Endy Edge MM	Phone #:	Chloride TH (8015)
Sampler Name: WELVE RANGE	Fax #:] 5 ¥ ₩
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
	Studge OTHER: ACID/BASE: ICE / COOL OTHER:	
1/ DFS 9 @ surface G 1 X	x 2.23.22 12:00	XXX
12 DES 4 611 K	x 1 15:10	4 6 4
13 DFS 10 @ Surface G 1 x	1 15:50	
14 DEL 10 61.	7 12:40	
15 DES 10 0 3: G'	17:30	
14 05 10 (8 3	4/ /(-10	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in con analyses. All claims including those for negligence and any other cause whatscever shall be deemed waived unless made in writing	ract or tort, shall be limited to the amount paid by the client fo seed received by Cardinal within 30 days after completion of	ir the the applicable
energies. All dains including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing envice. In no event shall Cardinal be liable for incidental or consequential demages, including without limitation, business interruption offsiates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such or Relinquished By: Received By:	ne,"loss of use, or loss of profile incurred by client, its subsidic aim is besed upon any of the above stated ressons or otherw	aries,
Times//20	Phone Ri Fax Resu REMARK	It: Yes No Add'i Fax#:
Relinquished By: Received By:		Solvendard
Time:		email results to pm@etechenv.com.
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 0,6€/0,0€ Sampler - UPS - Bus - Other: 0,6€/0,0€	(Initials)	
VILL NO L	NO II	

FORM-006 Revision 1,0 † 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

High (60): Pass

Low (90): Pass

Medium (75): Pass

Block this sender Block state.nm.us

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

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

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

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

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

CONDITIONS

Action 230930

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	230930
	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