

Incident ID	nAPP2233359733
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Connor WalkerTitle: Sr. EngineerSignature: Date: 2/14/2023email: cwalker@mewbourne.comTelephone: (806)202-5281

OCD Only

Received by: Jocelyn HarimonDate: 02/14/2023

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

Closure Approved by: Robert HamletDate: 6/14/2023Printed Name: Robert HamletTitle: Environmental Specialist - Advanced

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>145</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

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Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 2/14/2023

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

OCD Only

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
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Printed Name: Connor Walker Title: Sr. Engineer
Signature:  Date: 2/14/2023
email: cwalker@mewbourne.com Telephone: (806)202-5281

OCD Only

Received by: Jocelyn Harimon Date: 02/14/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

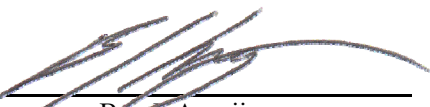
Remediation Summary & Soil Closure Request

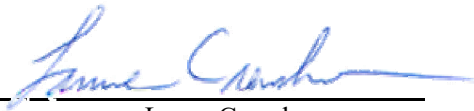
Mewbourne Oil Company Samsonite SWD Line

Eddy County, New Mexico
Unit Letter "L", Section 10, Township 18 South, Range 29 East
Latitude 32.7617080 North, Longitude 104.067506 West
NMOCD Reference No. nAPP2233359733

Prepared By:

Etech Environmental & Safety Solutions, Inc.
6309 Indiana Ave, Ste. D
Lubbock, Texas 79413



Ben J. Arguijo

Lance Crenshaw

Midland • San Antonio • Lubbock • Hobbs • Lafayette

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TABLES

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APPENDICES

Appendix A - Depth to Groundwater Information
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Appendix D - Laboratory Analytical Reports
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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Samsonite SWD Line. Details of the release are summarized below:

[illegible]

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

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 Samsonite SWD Line 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?	145'		
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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 Samsonite SWD Line release site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
145'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	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 November 18, 2022, Etech conducted an initial site assessment. During the initial site assessment, a series of 12 hand-augered soil bores (SP 1 through SP 12) were advanced within the inferred margins of the affected area in an effort to determine the vertical extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit. The soil bores were advanced in one (1) foot increments until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Based on field observations and field test data, a total of 23 delineation soil samples (SP 1 @ Surf., SP 1 @ 2', SP 2 @ Surf., SP 2 @ 4', SP 3 @ Surf., SP 3 @ 4', SP 4 @ Surf., SP 5 @ Surf., SP 5 @ 4', SP 6 @ Surf., SP 6 @ 4', SP 7 @ Surf., SP 7 @ 4', SP 8 @ Surf., SP 8 @ 4', SP 9 @ Surf., SP 9 @ 3', SP 10 @ Surf., SP 10 @ 2', SP 11 @ Surf., SP 11 @ 2', SP 12 @ Surf., and SP 12 @ 2') were submitted to a certified, commercial laboratory (henceforth, "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 below ground surface (bgs) in the areas characterized by sample points SP 1, SP 10, SP 11, and SP 12 to four (4) feet bgs in the areas characterized by sample points SP 2, SP 3, and SP 5 through SP 8. Soil was not affected beyond ground surface in the area characterized by sample point SP 4.

On November 21, 2022, Etech continued the initial site assessment. During the site assessment, six (6) additional hand-augered soil bores (SP 13 through SP 18) were advanced within the inferred margins of the affected area to further investigate the vertical extent of impacted soil. In addition, ten (10) hand-augered soil bores (NH 1, EH 1 through EH 4, SH 1, and WH 1 through WH 4) were advanced along the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit. The soil bores were advanced in one (1) foot increments until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Based on field observations and field test data, a total of 32 delineation soil samples (NH 1 @ Surf., NH 1 @ 1', EH 1 @ Surf., EH 1 @ 1', EH 2 @ Surf., EH 2 @ 1', EH 3 @ Surf., EH 3 @ 1', EH 4 @ Surf., EH 4 @ 1', SH 1 @ Surf., SH 1 @ 1', WH 1 @ Surf., WH 1 @ 1', WH 2 @ Surf., WH 2 @ 1', WH 3 @ Surf., WH 3 @ 1', WH 4 @ Surf., WH 4 @ 1', SP 13 @ Surf., SP 13 @ 4', SP 14 @ Surf., SP 14 @ 3', SP 15 @ Surf., SP 15 @ 3', SP 16 @ Surf., SP 16 @ 2', SP 17 @ Surf., SP 17 @ 4', SP 18 @ Surf., and SP 18 @ 4') 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 SP 16 to four (4) feet bgs in the areas characterized by sample points SP 13, SP 17, and SP 18. The horizontal extent of impacted soil was adequately defined in the areas characterized by sample points NH 1, EH 1 through EH 4, SH 1, and WH 1 through WH 4.

The locations of the hand-augered soil bores are depicted in Figure 3, "Site & Sample Location Map".

5.0 REMEDIATION ACTIVITIES SUMMARY

On November 29, 2022, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or 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 extent of impacted soil and to guide the excavation. The sidewalls and floors 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 November 29, 2022, Etech collected four (4) confirmation soil samples (SW 1, FL 1 @ 2', FL 2 @ 2', and FL 3 @ 2') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory method detection limit (MDL). Chloride concentrations ranged from 16.0 mg/kg in soil sample SW 1 to 176 mg/kg in soil sample FL 3 @ 2'.

On November 30, 2022, Etech collected 12 confirmation soil samples (NW 1, EW 1, SW 2, WW 1, and FL 4 @ 2' through FL 11 @ 3') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg in soil samples NW 1 and FL 10 @ 3' to 176 mg/kg in soil sample FL 5 @ 2'.

On December 1, 2022, Etech collected 16 confirmation soil samples (NW 2, EW 2, EW 3, SW 3, and FL 12 @ 3' through FL 23 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 96.0 mg/kg in soil sample NW 2 to 992 mg/kg in soil sample FL 23 @ 4'.

On December 2, 2022, Etech collected 15 confirmation soil samples (NW 3, SW 4, and FL 24 @ 4' through FL 36 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 64.0 mg/kg in soil sample NW 3 to 800 mg/kg in soil sample FL 35 @ 4'.

On December 5, 2022, Etech collected 11 confirmation soil samples (NW 4, EW 4, SW 5, and FL 37 @ 4' through FL 44 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 208 mg/kg in soil samples EW 4 and SW 5 to 8,400 mg/kg in soil sample FL 44 @ 4'.

On December 6, 2022, Etech collected seven (7) confirmation soil samples (SW 6, WW 2, WW 3, and FL 45 @ 4' through FL 48 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 128 mg/kg in soil samples WW 2 and FL 45 @ 4' to 4,640 mg/kg in soil sample FL 47 @ 4'.

On December 7, 2022, Etech collected 13 confirmation soil samples (EW 5 and FL 49 @ 4' through FL 60 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 256 mg/kg in soil sample EW 5 to 12,700 mg/kg in soil sample FL 60 @ 4'.

On December 8, 2022, Etech collected 11 confirmation soil samples (EW 6, SW 7, WW 4, and FL 61 @ 4' through FL 68 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 224 mg/kg in soil sample WW 4 to 7,330 mg/kg in soil sample FL 62 @ 4'.

On December 9, 2022, Etech collected 10 confirmation soil samples (EW 7, WW 5, and FL 69 @ 4' through FL 76 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 160 mg/kg in soil samples EW 7 and WW 5 to 3,600 mg/kg in soil sample FL 73 @ 4'.

On December 12, 2022, Etech collected eight (8) confirmation soil samples (NW 5, EW 8, SW 8, WW 6, and FL 77 @ 4' through FL 80 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg in soil sample SW 8 to 3,120 mg/kg in soil sample FL 79 @ 4'.

On December 13, 2022, Etech collected eight (8) confirmation soil samples (NW 6, SW 9, and FL 81 @ 4' through FL 86 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 96.0 mg/kg in soil sample SW 9 to 7,200 mg/kg in soil sample FL 82 @ 4'.

On December 14, 2022, Etech collected 11 confirmation soil samples (NW 7, EW 9, SW 10, WW 7, WW 8, and FL 87 @ 4' through FL 92 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 176 mg/kg in soil samples SW 10 and WW 7 to 5,680 mg/kg in soil sample FL 88 @ 4'.

On December 15, 2022, Etech collected 10 confirmation soil samples (EW 10, WW 9, WW 10, and FL 93 @ 4' through FL 99 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL, with the exception of soil sample FL 94 @ 4', which exhibited a TPH concentration of 33.0 mg/kg. Chloride concentrations ranged from 144 mg/kg in soil sample WW 10 to 2,600 mg/kg in soil sample FL 93 @ 4'.

On December 19, 2022, Etech collected 10 confirmation soil samples (NW 8, EW 11, SW 11, WW 11, and FL 100 @ 4' through FL 105 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 160 mg/kg in soil sample EW 11 to 4,400 mg/kg in soil sample FL 104 @ 4'.

On December 20, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FL 55 @ 4', FL 58 @ 4', and FL 60 @ 4'. Etech collected 13 confirmation soil samples (EW 12, SW 12, WW 12, FL 55 @ 5', FL 58 @ 5', FL 60 @ 5', and FL 106 @ 4' through FL 112 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL, with the exception of soil sample EW 12, which exhibited a BTEX concentration of 1.14 mg/kg. Chloride concentrations ranged from 80.0 mg/kg in soil sample SW 12 to 5,760 mg/kg in soil sample FL 55 @ 5'.

On December 21, 2022, Etech collected six (6) confirmation soil samples (NW 9, EW 13, EW 14, FL 113 @ 4', FL 114 @ 4', and FL 115 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 96.0 mg/kg in soil samples EW 13 and EW 14 to 1,680 mg/kg in soil sample FL 115 @ 4'.

On December 28, 2022, Etech collected three (3) confirmation soil samples (NW 10, FL 116 @ 4', and FL 117 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil sample NW 10 to 4,930 mg/kg in soil sample FL 116 @ 4'.

On December 30, 2022, Etech collected four (4) confirmation soil samples (EW 15, SW 13, FL 118 @ 4', and FL 119 @ 4') 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg in soil sample EW 15 to 6,240 mg/kg in soil sample FL 119 @ 4'.

The final dimensions of the excavated area were approximately 128 to 404 feet in length, 12 to 138 feet in width, and two (2) to five (5) feet in depth. During the course of remediation activities, Etech transported approximately 4,920 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 4,920 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3, "Site & Sample Location Map". 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 D. Copies of all regulatory correspondence are provided in Appendix E.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

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 area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of the site.

7.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate in-situ concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Mewbourne Oil Company provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Samsonite SWD Line release site.

8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure 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.

9.0 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

United States Department of the Interior

Bureau of Land Management

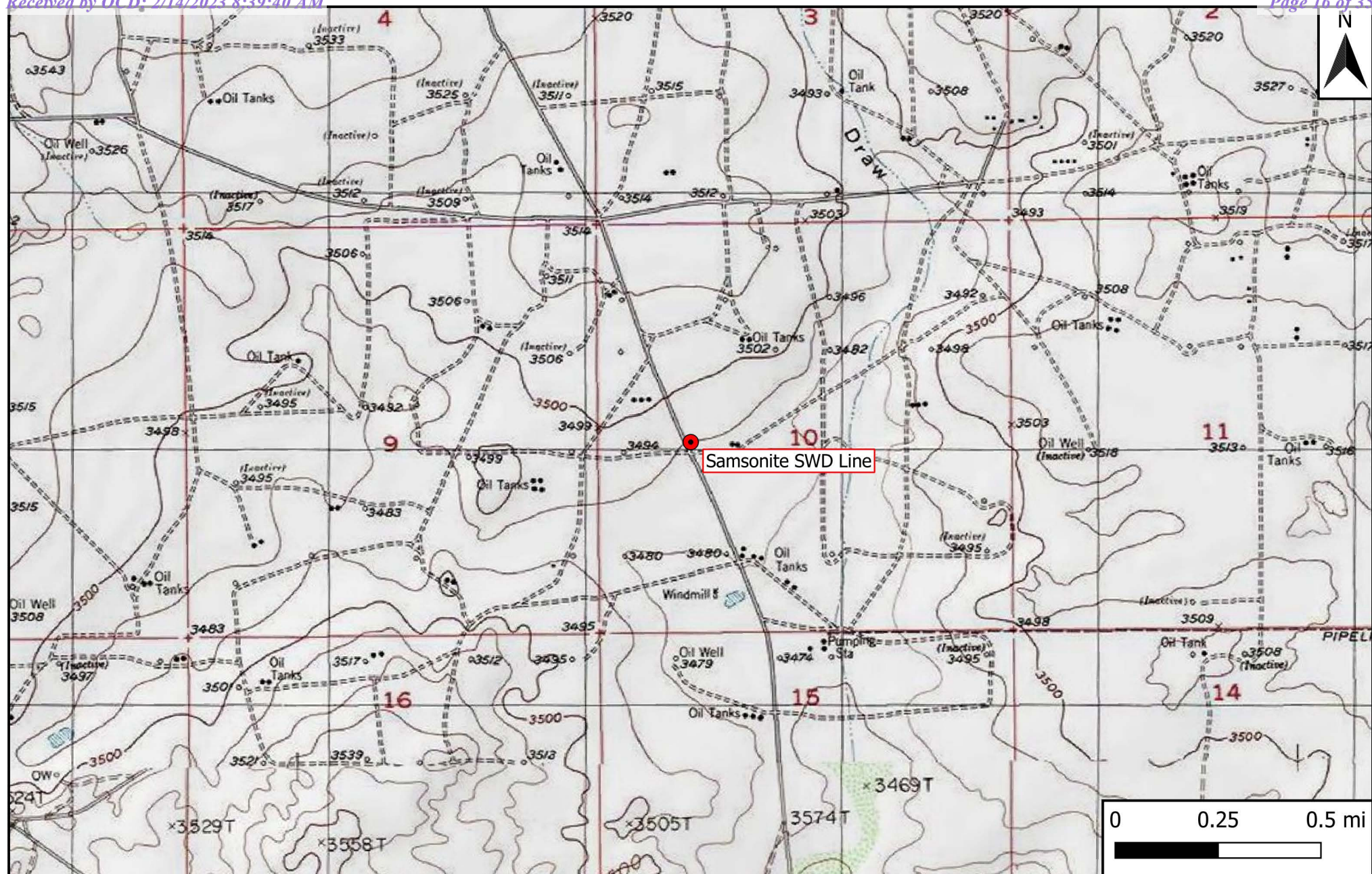
620 E. Greene Street

Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Topographic Map



Legend

- Site Location

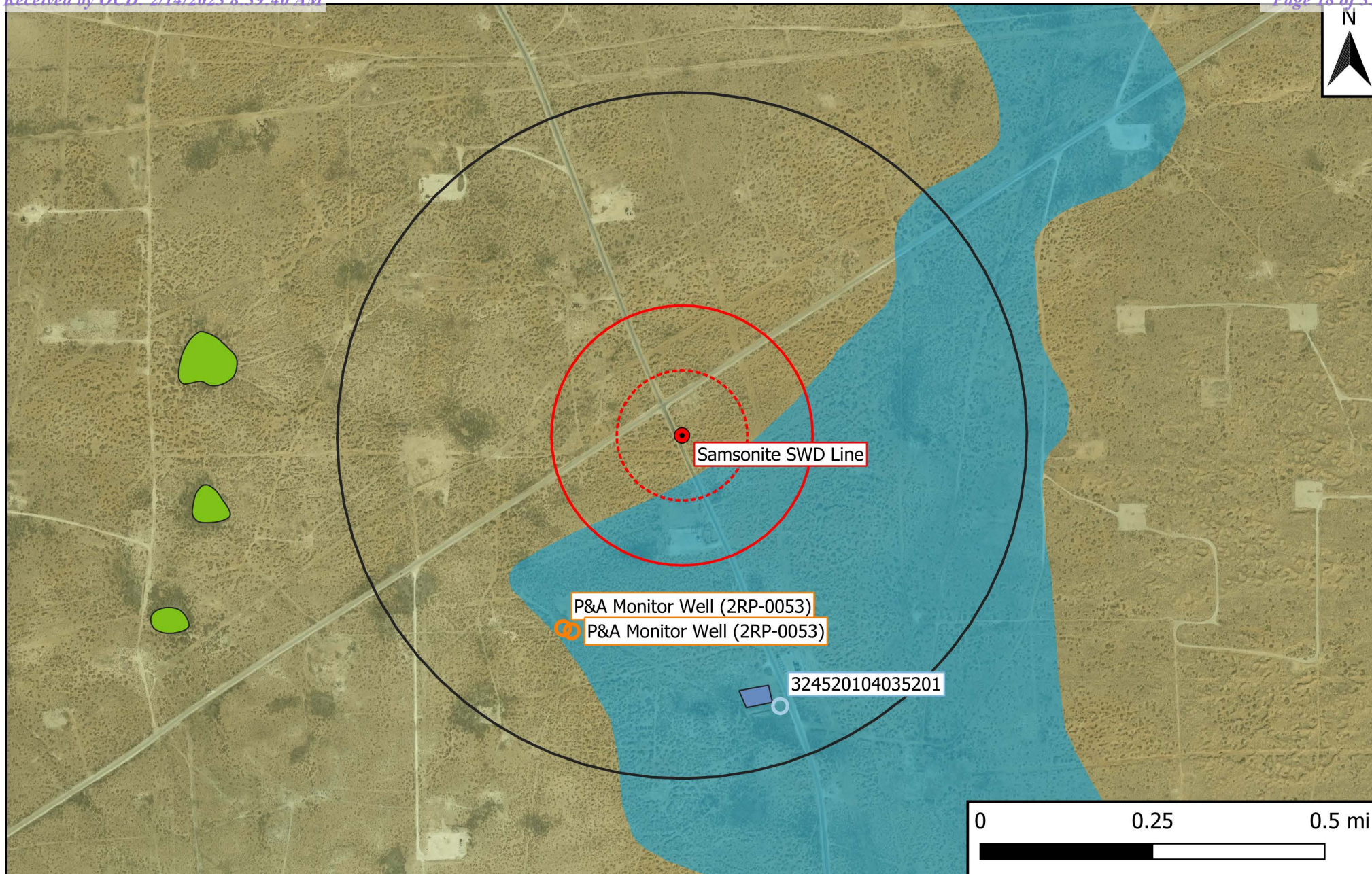
Figure 1

Topographic Map
 Mewbourne Oil Company
 Samsonite SWD Line
 GPS: 32.761708, -104.067506
 Eddy County



Figure 2

Aerial Proximity Map



Legend

- | | | |
|------------------------------|---------------------------------|--------------------|
| ● Site Location | 100-Year Flood Zone | 500-Ft Radius |
| ○ Well - NMOSE | Emergent/Forested Wetlands | 1,000-Ft Radius |
| ○ Well - USGS | Freshwater Pond/Lake | 0.5-Mi Radius |
| ○ Well - Exploratory/Monitor | Karst Potential (Low/Med./High) | Municipal Boundary |
| — Potash Mine Workings | Riverine | |

Figure 2
 Site Characterization Map
 Mewbourne Oil Company
 Samsonite SWD Line
 GPS: 32.761708, -104.067506
 Eddy County



Drafted: bja

Checked: lc

Date: 2/12/23

Figure 3

Site & Sample Location Map



Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Samsonite SWD Line
NMOCD Ref. #: nAPP2233359733

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
Delineation Samples											
NH 1 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH 1 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH 1 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
EH 1 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH 2 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EH 2 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EH 3 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
EH 3 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
EH 4 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH 4 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH 1 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH 1 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH 1 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WH 1 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH 2 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH 2 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH 3 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH 3 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH 4 @ Surf.	11/21/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH 4 @ 1'	11/21/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP 1 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200
SP 1 @ 2'	11/18/2022	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SP 2 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	10.5	10.5	<10.0	10.5	14,600
SP 2 @ 4'	11/18/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
SP 3 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	22,200
SP 3 @ 4'	11/18/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SP 4 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 5 @ Surf.	11/18/2022	0	Excavated	<0.050	0.633	<10.0	32.5	32.5	<10.0	32.5	20,000
SP 5 @ 4'	11/18/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
SP 6 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	15.1	15.1	<10.0	15.1	5,600
SP 6 @ 4'	11/18/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960
SP 7 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	19,000
SP 7 @ 4'	11/18/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
SP 8 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	11.9	11.9	<10.0	11.9	22,400
SP 8 @ 4'	11/18/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
SP 9 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	35,200
SP 9 @ 3'	11/18/2022	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SP 10 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	19,200
SP 10 @ 2'	11/18/2022	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SP 11 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	41,200
SP 11 @ 2'	11/18/2022	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416

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
Samsonite SWD Line
NMOCD Ref. #: nAPP2233359733

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP 12 @ Surf.	11/18/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	42,000
SP 12 @ 2'	11/18/2022	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
SP 13 @ Surf.	11/21/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,060
SP 13 @ 4'	11/21/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
SP 14 @ Surf.	11/21/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400
SP 14 @ 3'	11/21/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SP 15 @ Surf.	11/21/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
SP 15 @ 3'	11/21/2022	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SP 16 @ Surf.	11/21/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,800
SP 16 @ 2'	11/21/2022	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
SP 17 @ Surf.	11/21/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,320
SP 17 @ 4'	11/21/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SP 18 @ Surf.	11/21/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,800
SP 18 @ 4'	11/21/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,660
Excavation Samples											
NW 1	11/30/2022	0.5-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 2	12/1/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 3	12/2/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 4	12/5/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
NW 5	12/12/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 6	12/13/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
NW 7	12/14/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
NW 8	12/19/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
NW 9	12/21/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
NW 10	12/28/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 1	11/30/2022	0.5-1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 2	12/1/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
EW 3	12/1/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
EW 4	12/5/2022	0.5-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
EW 5	12/7/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
EW 6	12/8/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
EW 7	12/9/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
EW 8	12/12/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 9	12/14/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
EW 10	12/15/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
EW 11	12/19/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
EW 12	12/20/2022	0.5-3.5	In-Situ	<0.050	1.14	<10.0	<10.0	<20.0	<10.0	<30.0	304
EW 13	12/21/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 14	12/21/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 15	12/30/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 1	11/29/2022	0.5-1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 2	11/30/2022	0.5-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160

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
Samsonite SWD Line
NMOCD Ref. #: nAPP2233359733

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SW 3	12/1/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW 4	12/2/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SW 5	12/5/2022	0.5-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SW 6	12/6/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SW 7	12/8/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SW 8	12/12/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 9	12/13/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 10	12/14/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW 11	12/19/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW 12	12/20/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 13	12/30/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
WW 1	11/30/2022	0.5-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
WW 2	12/6/2022	0.5-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
WW 3	12/6/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
WW 4	12/8/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
WW 5	12/9/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW 6	12/12/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 7	12/14/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
WW 8	12/14/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
WW 9	12/15/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW 10	12/15/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WW 11	12/19/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
WW 12	12/20/2022	0.5-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 1 @ 2'	11/29/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 2 @ 2'	11/29/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 3 @ 2'	11/29/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 4 @ 2'	11/30/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 5 @ 2'	11/30/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 6 @ 3'	11/30/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 7 @ 3'	11/30/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 8 @ 3'	11/30/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 9 @ 3'	11/30/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 10 @ 3'	11/30/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 11 @ 3'	11/30/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 12 @ 3'	12/1/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 13 @ 3'	12/1/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 14 @ 3'	12/1/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 15 @ 3'	12/1/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 16 @ 4'	12/1/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 17 @ 4'	12/1/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FL 18 @ 4'	12/1/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 19 @ 4'	12/1/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432

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
Samsonite SWD Line
NMOCD Ref. #: nAPP2233359733

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 20 @ 4'	12/1/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 21 @ 4'	12/1/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 22 @ 4'	12/1/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 23 @ 4'	12/1/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992
FL 24 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 25 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 26 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 27 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 28 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 29 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
FL 30 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 31 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 32 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 33 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 34 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	592
FL 35 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
FL 36 @ 4'	12/2/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 37 @ 4'	12/5/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 38 @ 4'	12/5/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
FL 39 @ 4'	12/5/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,420
FL 40 @ 4'	12/5/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 41 @ 4'	12/5/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 42 @ 4'	12/5/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FL 43 @ 4'	12/5/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FL 44 @ 4'	12/5/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,400
FL 45 @ 4'	12/6/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 46 @ 4'	12/6/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
FL 47 @ 4'	12/6/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,640
FL 48 @ 4'	12/6/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL 49 @ 4'	12/7/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,480
FL 50 @ 4'	12/7/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240
FL 51 @ 4'	12/7/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,200
FL 52 @ 4'	12/7/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,960
FL 53 @ 4'	12/7/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,240
FL 54 @ 4'	12/7/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 55 @ 4'	12/7/2022	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,200
FL 55 @ 5'	12/20/2022	5	In-Situ	-	-	-	-	-	-	-	5,760
FL 56 @ 4'	12/7/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,120
FL 57 @ 4'	12/7/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,360
FL 58 @ 4'	12/7/2022	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,100
FL 58 @ 5'	12/20/2022	5	In-Situ	-	-	-	-	-	-	-	5,200
FL 59 @ 4'	12/7/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960

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
Samsonite SWD Line
NMOCD Ref. #: nAPP2233359733

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 60 @ 4'	12/7/2022	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,700
FL 60 @ 5'	12/20/2022	5	In-Situ	-	-	-	-	-	-	-	1,720
FL 61 @ 4'	12/8/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,470
FL 62 @ 4'	12/8/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,330
FL 63 @ 4'	12/8/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
FL 64 @ 4'	12/8/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
FL 65 @ 4'	12/8/2022	4	In-Situ	<0.050	<0.300	<50.0	<50.0	<100.0	<50.0	<150.0	2,640
FL 66 @ 4'	12/8/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,540
FL 67 @ 4'	12/8/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,000
FL 68 @ 4'	12/8/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,810
FL 69 @ 4'	12/9/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 70 @ 4'	12/9/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,820
FL 71 @ 4'	12/9/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
FL 72 @ 4'	12/9/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
FL 73 @ 4'	12/9/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,600
FL 74 @ 4'	12/9/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
FL 75 @ 4'	12/9/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 76 @ 4'	12/9/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 77 @ 4'	12/12/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL 78 @ 4'	12/12/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,660
FL 79 @ 4'	12/12/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
FL 80 @ 4'	12/12/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 81 @ 4'	12/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,640
FL 82 @ 4'	12/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200
FL 83 @ 4'	12/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,640
FL 84 @ 4'	12/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,200
FL 85 @ 4'	12/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,840
FL 86 @ 4'	12/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,040
FL 87 @ 4'	12/14/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,580
FL 88 @ 4'	12/14/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,680
FL 89 @ 4'	12/14/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
FL 90 @ 4'	12/14/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600
FL 91 @ 4'	12/14/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,800
FL 92 @ 4'	12/14/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,550
FL 93 @ 4'	12/15/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,600
FL 94 @ 4'	12/15/2022	4	In-Situ	<0.050	<0.300	<10.0	17.6	17.6	15.4	33.0	1,330
FL 95 @ 4'	12/15/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
FL 96 @ 4'	12/15/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FL 97 @ 4'	12/15/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 98 @ 4'	12/15/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 99 @ 4'	12/15/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 100 @ 4'	12/19/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360

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
Samsonite SWD Line
NMOCD Ref. #: nAPP2233359733

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 101 @ 4'	12/19/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,840
FL 102 @ 4'	12/19/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,890
FL 103 @ 4'	12/19/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,020
FL 104 @ 4'	12/19/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,400
FL 105 @ 4'	12/19/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,060
FL 106 @ 4'	12/20/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,560
FL 107 @ 4'	12/20/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,440
FL 108 @ 4'	12/20/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
FL 109 @ 4'	12/20/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440
FL 110 @ 4'	12/20/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 111 @ 4'	12/20/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,730
FL 112 @ 4'	12/20/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	896
FL 113 @ 4'	12/21/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 114 @ 4'	12/21/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 115 @ 4'	12/21/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FL 116 @ 4'	12/28/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,930
FL 117 @ 4'	12/28/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
FL 118 @ 4'	12/30/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
FL 119 @ 4'	12/30/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,240

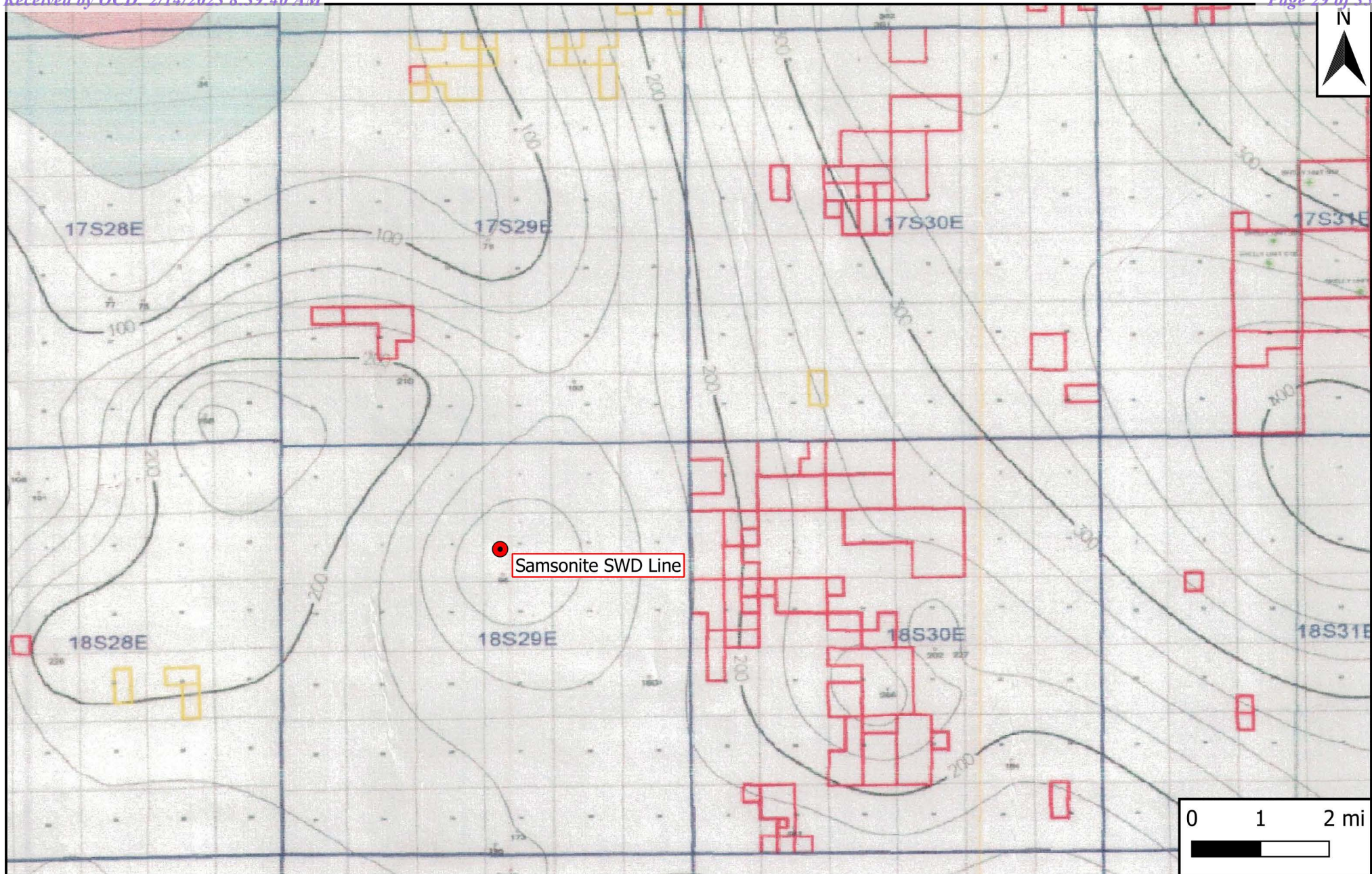
Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 Mewbourne Oil Company
 Samsonite SWD Line
 GPS: 32.761708, -104.067506
 Eddy County



Drafted: bja

Checked: lc

Date: 1/12/23



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 587360.49 **Northing (Y):** 3625219.8 **Radius:** 804.67

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.

11/17/22 10:36 AM

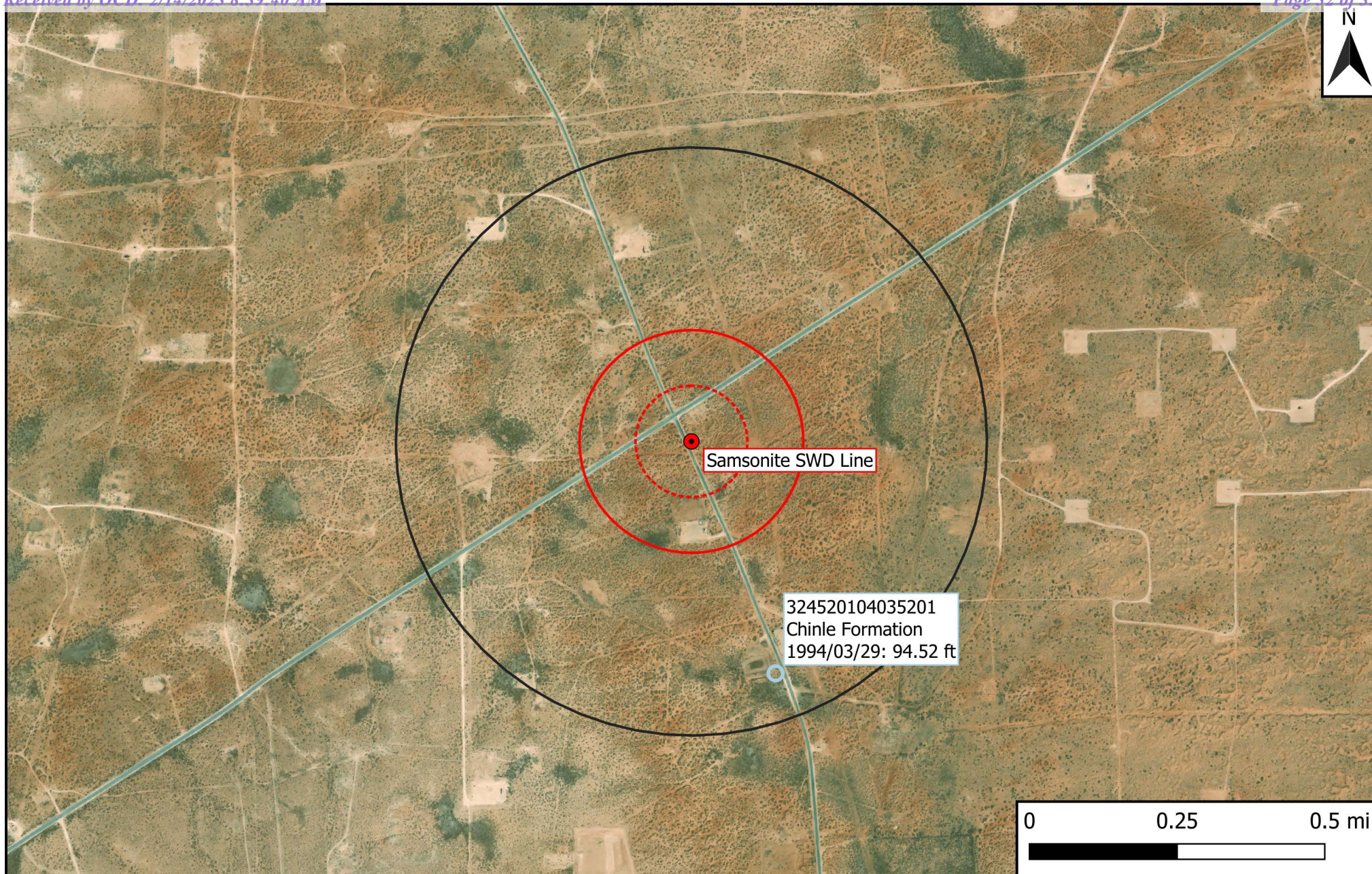
WATER COLUMN/ AVERAGE
DEPTH TO WATER

Data table extracted from the
 "2014 Annual Monitoring
 Report" for the Ballard Grayburg
 5-Inch release site (2RP-0053).

TABLE 1
2014 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
BALLARD GRAYBURG 5-INCH
EDDY COUNTY, NEW MEXICO
PLAINS SRS #: 2004-192
NMOCD REFERENCE #: 2RP-0053

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-2	2/17/2014	3,497.90	-	145.38	-	3,352.52
	11/20/2014	3,497.90	-	145.68	-	3,352.22
MW-3	2/17/2014	3,497.91	-	146.48	-	3,351.43
	11/20/2014	3,497.91	-	145.70	-	3,352.21
NOTE: RW-1 Plugged & Abandoned May 11, 2006						



Legend

- Site Location
- Well - USGS
- ⊞ 500-Ft Radius
- ⊞ 1,000-Ft Radius
- 0.5-Mi Radius

Figure 5

USGS Well Proximity Map
Mewbourne Oil Company
Samsonite SWD Line
GPS: 32.761708, -104.067506
Eddy County



Drafted: bja

Checked: lc

Date: 1/15/23

[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

United States

GO

[Click for News Bulletins](#)

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324520104035201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324520104035201 18S.29E.10.34310

Eddy County, New Mexico

Latitude 32°45'20", Longitude 104°03'52" NAD27

Land-surface elevation 3,478 feet above NAVD88

This well is completed in the Other aquifers (N99990THER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1983-04-12			D	72019	138.87		1	Z			A
1986-06-05			D	72019	153.73		1	S			A
1990-09-19			D	72019	140.74		1	S			A
1994-03-29			D	72019	94.52		1	S			A

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	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)[Feedback on this web site](#)[Automated retrievals](#)[Help](#)[Data Tips](#)[Explanation of terms](#)[Subscribe for system changes](#)[News](#)[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for USA: Water Levels****URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-02-10 16:09:02 EST

0.3 0.25 nadww02

Appendix B

Field Data & Soil Profile Logs



Sample Log

Date: 11-18-22

Project: Samsonite 3-4 B2NM Fed Com 1H

Project Number: pending

Latitude: 32.761389

Longitude: -104.067341

LRA	Sample ID	PID/Odor	Chloride Conc.	GPS
SP 1e surf.		—	4464 32.761953	-104.067667
SP 1e 1' 2'		—	1916e2 468	
SP 2e surf.		—	18428 32.761967	-104.067546
SP 2e 1' 2' 3' 4'		—	12634e2 9836e3 628e4 452	
SP 3e surf.		—	226708 32.761822	-104.067390
SP 3e 1' 2' 3' 4'		—	3472e2 912e3 604e4 912	
SP 4e surf.		—	264 32.761724	-104.067394
SP 5e surf.		—		
SP 5e surf.		—	16636 32.761657	-104.067316
SP 5e 1' 2' 3' 4'		—	9080e2 5676e3 7756e4 4464	
SP 6e surf.		—	26708 32.761416	-104.067149
SP 6e 1' 2' 3' 4'		—	15108e2 5676e3 2904e4 4112	
SP 7e surf.		—	23252 32.761212	-104.067144
SP 7e 1' 2' 3' 4'		—	6636e2 912e3 716e4 452	
SP 8e surf.		—	15108 32.761083	-104.066978
SP 8e 1'		—	5244e2 604e3 844e4 780	
SP 9e surf.		—	226708 32.761096	-104.066732
SP 9e 1'		—	9080e2 7176e3 452	
SP 10e surf.		—	18428 32.761023	-104.066604
SP 10e 1' 2'		—	5464e2 500	
SP 11e surf.		—	226708 32.760875	-104.066724
SP 11e 1' 2'		—	5904e2 500	
SP 12e surf.		—	26708 32.760686	-104.066661
SP 12e 1' 2'		—	3392e2 228	
SP 13e surf.		—	9372 32.761931	-104.067644
SP 13e 1' 2' 3' 4'		—	5464e2 1500e3 1136e4 1400	
SP 14e surf.		—	11916 32.761834	-104.067664
SP 14e 1' 2' 3'		—	11916e2 4724e3 552	
SP 15e surf.		—	9372 32.761711	-104.067546
SP 15e 1' 2' 3'		—	9372e2 2864e3 328	
SP 16e surf.		—	7432	
SP 16e 1' 2'		—	5464e2 500	
SP 17e surf.		—	8672 32.761512	-104.067488
SP 17e 1' 2' 3' 4'		—	9372e2 844e3 780e4 552	
SP 18e surf.		—	5904 32.761841	-104.067000
SP 18e 1' 2' 3' 4'		—	11916e2 12952e3 12952e4 5464	

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Samsonite 3-4 B2NM Fed Com 1H

Project Number: pending Latitude: 32.761389 Longitude: -104.067341

[illegible]

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Samsonite 3-4 B2NM Fed Com 1H

Project Number: 17123 Latitude: 32.761389 Longitude: -104.067341

Sample ID	PID/Odor	Chloride Conc.	GPS
FL1 @ 2 2.8	—	328	32.760588, -104.06605
SW1 3.2	—	408	32.760654, -104.06641
FL2 @ 2 3.8	—	552	32.760603, -104.066590
FL3 @ 2 3.2	—	408	32.760565, -104.066736
WW1 @ 50 ft	—	1840	
WW2 @ 50 ft	—	1364	
FL4 @ 2 3.0	—	380	32.760747, -104.066865
FL5 @ 2 2.2	—	424	32.760776, -104.066767
FL6 @ 2 4.2	—	688	
FL6 @ 3 3.6	—	520	32.760699, -104.066890
FL7 @ 3 2.0	—	400	32.760880, -104.066647
WW1 2.4	—	264	32.760715, -104.066673
EW1 2.8	—	340	32.760715, -104.066673
FL8 @ 3 2.8	—	340	32.760910, -104.066876
FL9 @ 3 2.6	—	300	32.761005, -104.066889
FL10 @ 3 3.8	—	572	32.761001, -104.066586
SW2 3.4	—	468	32.761001, -104.066586
NW1 2.6	—	300	32.761001, -104.066586
FL11 @ 3 3.4	—	300	32.761102, -104.066597
FL12 @ 3 2.4	—	264	32.761145, -104.066880
SW3 @ 10 ft 7.0	—	1916	
FW2 3.2	—	424	32.761181, -104.066512
FL13 @ 3 3.2	—	424	32.761092, -104.066760
FL14 @ 3 3.8	—	572	32.761092, -104.066760
FL15 @ 3 2.8	—	340	32.761092, -104.066760
FL16 @ 4 3.6	—	520	32.761160, -104.066801
FL17 @ 4 2.6	—	300	32.761160, -104.066801
SW3 2.8	—	340	32.761065, -104.066847
NW2 3.2	—	424	32.761161, -104.066506
EW3 2.2	—	232	32.761160, -104.066484
FL18 @ 4 2.8	—	340	32.761160, -104.066484
FL19 @ 4 3.8	—	552	32.761156, -104.066864
FL20 @ 4 4.2	—	660	32.761156, -104.066864
FL21 @ 4 3.2	—	408	32.761126, -104.067009
FL22 @ 4 3.4	—	462	32.761126, -104.067009
FL23 @ 4 6.0	—	1308	32.761126, -104.067009

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Samsonite 3-4 BZNM Fed Com 1 H

Project Number: 17123

Latitude: 32.761389

Longitude: -104.067341

Sample ID	PID/Odor	Chloride Conc.	GPS
FL24 @4	4.0	604	32.761172, -104.067032
FL25 @4	4.6	780	32.761161, -104.066953
FL35 @4	5.8	1220	32.761101, -104.0667195
FL36 @4	3.2	408	32.761142, -104.067195
FL33 @4	4.0	604	32.761117, -104.067183
FL34 @4	4.8	844	32.761113, -104.067183
SW4	3.2	408	32.761073, -104.066888
FL26 @4	3.4	462	32.761168, -104.066947
FL27 @4	3.6	500	32.761168, -104.066947
NW3	2.8	328	32.761180, -104.066915
FL28 @4	4.6	780	32.761082, -104.067110
FL29 @4	5.8	1220	32.761092, -104.067063
FL30 @4	4.0	604	32.761092, -104.067063
FL31 @4	3.8	552	32.761092, -104.067063
FL32 @4	3.6	500	32.761092, -104.067063
EW4	3.8	552	32.761426, -104.067024
FL37 @4	3.0	368	32.761482, -104.067042
FL38 @4	5.6	1136	32.761426, -104.066184
FL39 @4	5.4	1052	32.761392, -104.067062
FL40 @4	4.2	660	32.761335, -104.067191
NW4	3.6	500	32.761539, -104.067131
SW5	3.0	368	32.761371, -104.067091
FL41	3.2	408	32.761543, -104.066967
FL42	6.4	1500	32.761456, -104.067085
FL43	3.6	500	32.761561, -104.067210
FL44 @3	9.0	4336	
FL44 @4		5504	32.761406, -104.067140
WW2		1220	
WW2		844	
WW2	2.8	328	32.761376, -104.067156
WW3	3.8	552	32.761376, -104.067156
SW6	2.8	328	32.761376, -104.067156
FL45	2.6	292	32.761537, -104.067243
FL46	6.8	1,716	32.761437, -104.067236
FL47	7.8	2444	32.761473, -104.067221
FL48	4.8	844	32.761473, -104.067221

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

GPS Sample Points, Center of Comp Areas

NW 1B



Sample Log

Project: Samsonite 3-4 B2M Fed Coy 14

Date: _____

Project Number: 17123Latitude: 32.761389Longitude: -104.067341

Sample ID	PID/Odor	Chloride Conc.	GPS
FL49 @ 2	—	1716	
FL50 @ 2	—	1136	
FL49 @ 4	7.8	2,444	32.761548, -104.066991
FL50 @ 4	4.0	604	32.761548, -104.066991
FL51 @ 4	7.8	2,444	32.761547, -104.067244
FL52 @ 4	7.2	2,112	32.761547, -104.067244
EW5 @ 4.2 ft	—	604	
WW4 @ 5	—	604	
FL53 @ 4	3.8	2,624	32.761572, -104.067377
FL54 @ 4	5.2 HS	4,772	32.761505, -104.067297
FL55 @ 4	6.2 HS	7,020	32.761358, -104.067109
FL56 @ 4	6.2 HS	7,020	32.761529, -104.067308
EW5	3.6	500	32.761478, -104.067260
FL57 @ 4	5.8 HS	5,968	32.761534, -104.067277
FL58 @ 4	6.0 HS	6,468	32.761580, -104.067259
FL59 @ 4	4.2 HS	3,116	32.761548, -104.066991
FL60 @ 4	6.2	7,020	32.761548, -104.066991
FL61 @ 4	6.8	1,604	32.761528, -104.067282
FL62 @ 4	4.0 HS	2,860	32.761528, -104.067282
FL63 @ 4	5.0 HS	4,320	32.761626, -104.067309
FL64 @ 4	7.0	1,840	32.761801, -104.062177
WW4	3.4	500	32.761483, -104.067929
EW6	3.2	452	32.761553, -104.067319
EW7 @ 10ft	5.8 HS	5,968	
EW7 @ 10ft	4.2 HS	3,116	
EW7 @ 10ft	6.6	1,604	
SW7	3.4	500	32.761633, -104.067083
FL65 @ 4	4.0 HS	2,860	32.761616, -104.067306
FL66 @ 4	6.6	1,604	32.761639, -104.067290
FL67 @ 4	3.8 HS	2,624	32.761639, -104.067290
FL68 @ 4	7.2	1,968	32.761639, -104.067290
FL69	7.2	1,968	32.761560, -104.067050
FL70	7.2	1,968	32.761688, -104.067316
FL71	7.8	2,444	32.761688, -104.067316
WW5	3.2	452	32.761688, -104.067316
EW7	3.0	368	32.761560, -104.067650

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

GPS Sample Points, Center of Comp Areas

WW5

FL7



Sample Log

Date: _____

Project: _____

Project Number: _____

Latitude: _____

Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 72 @ 4	4.8	840	32.761186, -104.067349
FL 73 @ 4	4.0 HS	2,860	32.761600, -104.061397
FL 74 @ 4	4.6	780	32.761686, -104.067349
FL 75 @ 4	4.8	840	32.761797, -104.067313
FL 76 @ 4	3.2	452	32.761560, -104.067050
SW 8	6.2 HS	7,020	
FL 77 @ 4	4.0	604	32.761770, -104.067386
SW 8	2.6	292	32.761888, -104.067325
FL 78 @ 4	3.2 HS	1,926	32.761859, -104.067353
FL 79 @ 4	3.8 HS	2,624	32.761859, -104.067353
FL 80 @ 4	4.0	604	32.761560, -104.067050
NWS	2.8	328	32.761883, -104.067471
EW 8	2.0	200	32.761763, -104.067273
WW 6	2.0	200	32.761765, -104.067438
SW 9	3.2	452	32.761153, -104.067128
NW 6	3.0	368	32.761153, -104.067128
FL 81 @ 4	4.2 HS	3116	32.761051, -104.067213
FL 82 @ 4	4.2 HS	3116	32.76118, -104.067362
FL 83 @ 4	7.8	2,444	32.761243, -104.067311
FL 84 @ 4	3.6 HS	2,400	32.761234, -104.067328
FL 85 @ 4	7.2	1,968	32.761109, -104.067360
FL 86 @ 4	7.2	1,968	32.761358, -104.067278
			32.761266, -104.067274
EW 9	3.2	452	32.761316, -104.067379
FL 87 @ 4	6.6	1,604	32.761316, -104.067379
NW 7	3.0	368	32.761389, -104.067330
SW 10	7.8	2,444	
SW 10	4.0	600	
SW 10	2.8	328	32.761391, -104.067297
WW 7	3.0	368	32.761266, -104.067274
FL 88 @ 4	4.2 HS	3,116	32.761259, -104.067288
FL 89 @ 4	HS	2,860	32.761353, -104.067314
WW 8	3.6	500	32.761268, -104.067344
FL 90 @ 4	6.8	1,716	32.761567, -104.067054
FL 91 @ 4	4.2 HS	3,116	32.761567, -104.067054
FL 92 @ 4	5.2 HS	5,080	32.761357, -104.067367

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 55 @ 5	5.8 AS	5964	
FL 58 @ 5	6.0 HS	6468	
FL 60 @ 5	5.8 HS	5964	
FL 93 @ 4	5.6	1136	32.761439, -104.067375
FL 94 @ 4	5.6	1136	32.761429, -104.067375
FL 95 @ 4	6.0	1308	32.761467, -104.067289
FL 96 @ 4	4.0	604	32.761491, -104.067388
WW 9 @ 4	3.0	368	32.761370, -104.067414
FL 97 @ 4	4.8	844	32.761410, -104.067388
FL 98 @ 4	4.2	660	32.761567, -104.067054
WW 10	2.8	328	32.761484, -104.067420
EW 10	3.8	552	32.761484, -104.067420
FL 99 @ 4	3.2	408	32.761484, -104.06742
SW 11	3.8	552	32.761601, -104.067552
NW 8	3.0	768	32.761669, -104.067430
EW 11	3.6	500	32.761669, -104.067430
FL 100 @ 4	5.8	1220	32.761678, -104.067503
FL 101 @ 4	4.8 HS	3988	32.761678, -104.067503
FL 102 @ 4	5.8 HS	5964	32.761678, -104.067503
FL 103 @ 4	6.8	1716	32.761631, -104.067582
FL 104 @ 4	4.4 HS	3388	32.761131, -104.067582
FL 105 @ 4	5.1	1136	32.761755, -104.067579
WW 11	2.2	228	32.761725, -104.067556
FL 106 @ 4	5.2 HS	4324	32.761709, -104.067541
WW 12	3.8	552	32.761758, -104.06754
SW 12	3.0	368	32.761785, -104.067515
FL 107 @ 4	4.2 HS		32.761755, -104.067595
EW 12	3.4	452	32.761645, -104.067940
FL 108 @ 4	7.2	2112	32.761845, -104.067517
FL 109 @ 4	6.6	1604	32.761845, -104.067517
FL 110 @ 4	4.2	660	32.761890, -104.067447
FL 111 @ 4	7.2	1960	32.761890, -104.067447
FL 112 @ 4	4.2 HS	2864	32.761890, -104.067447
FL 113 @ 4	6.0	1308	32.761884, -104.067664
FL 114 @ 4	4.2	660	32.761884, -104.067664
FL 115 @	7.2	1968	32.761816, -104.067709

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

GPS Sample Points, Center of Comp Areas



Project:

Project Number:

Latitude:

Longitude:

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 @ Sb or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

5.148



Soil Profile

Date: _____

Project: Samsonite 3-4 B2NM Fed Com 1H

Project Number: 17123 Latitude: 32.761389 Longitude: -104.067341

Depth (ft. bgs)

Description

1	0-1	Sand
2	1-3	sand
3	3-5	sand-caliche
4	5-7	sand-caliche
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
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40		

Appendix C

Photographic Log


Photographic Log

Photo Number: 1	
Photo Direction: South-Southeast	
Photo Description: View of the point of release.	

Photo Number: 2	
Photo Direction: South-Southeast	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 3	 A photograph showing a dirt road with a signpost and a road sign. The signpost has two signs, one of which is partially obscured. The road is unpaved and surrounded by dry vegetation. The photo was taken on 15Nov22 at 13:49.
Photo Direction: South-Southeast	
Photo Description: View of the affected area.	

Photo Number: 4	 A photograph showing a dirt road. The road is unpaved and surrounded by dry vegetation. The photo was taken on 15Nov22 at 13:53.
Photo Direction: North	
Photo Description: View of the affected area.	

Photographic Log




Photo Number: 5	
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photo Number: 6	
Photo Direction: West	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 7	 <p>32.76146, -104.06696 3470 W208</p> <p>15Nov22 13:56 Ad-hoc S Old Loco Rd, Artesia NM 88210, US @ 15-Nov-22 13:56:00</p>
Photo Direction: West	
Photo Description: View of the affected area.	

Photo Number: 8	 <p>32.76173, -104.06725 3487 SW200</p> <p>15Nov22 13:57 Ad-hoc S Old Loco Rd, Artesia NM 88210, US @ 15-Nov-22 13:57:00</p>
Photo Direction: South-Southwest	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 9	
Photo Direction: West	
Photo Description: View of the excavated area.	

Photo Number: 10	
Photo Direction: North	
Photo Description: View of the excavated area.	

Photographic Log

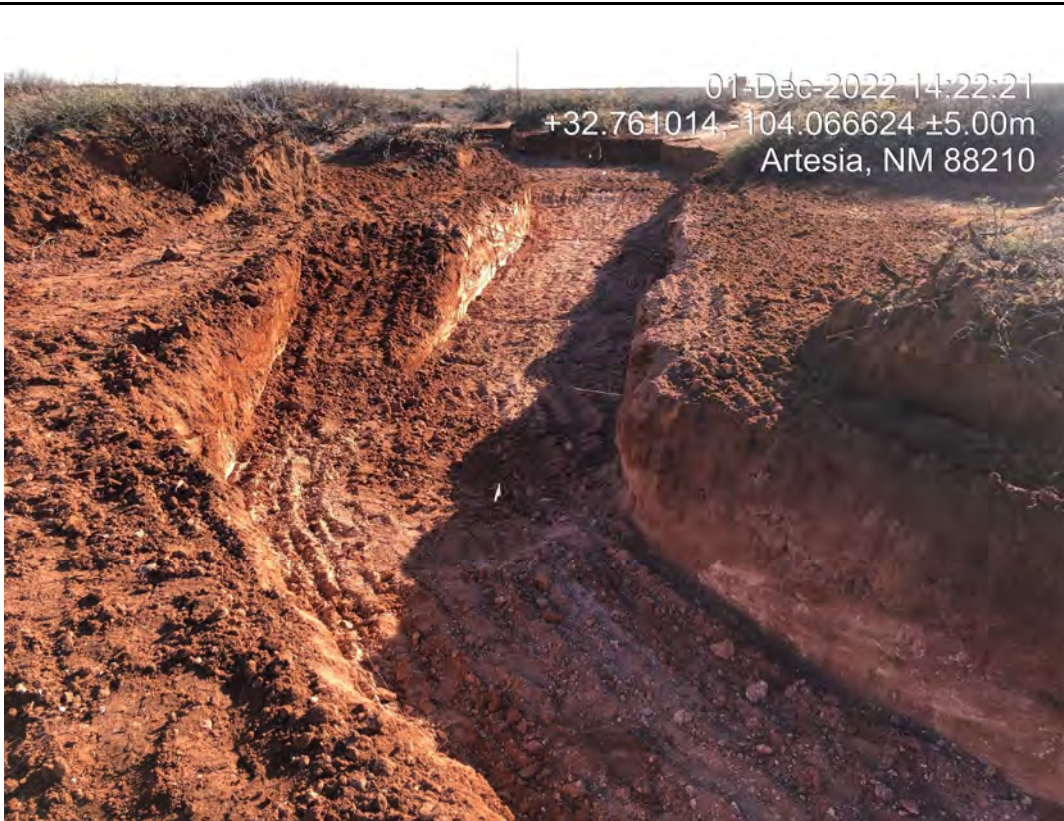
Photo Number: 11	
Photo Direction: Northeast	
Photo Description: View of the excavated area.	

Photo Number: 12	
Photo Direction: Northeast	
Photo Description: View of the excavated area.	

Photographic Log



Photo Number: 13	 <p>01-Dec-2022 14:23:36 +32.760578,-104.066625 ±5.00m Artesia, NM 88210</p>
Photo Direction: North	
Photo Description: View of the excavated area.	

Photo Number: 14	 <p>01-Dec-2022 14:23:50 +32.760660,-104.066703 ±5.00m Artesia, NM 88210</p>
Photo Direction: North	
Photo Description: View of the excavated area.	

Photographic Log


Photo Number: 15	
Photo Direction: East	
Photo Description: View of the excavated area.	

Photo Number: 16	
Photo Direction: East	
Photo Description: View of the excavated area.	

Photographic Log



Photo Number: 17	 <p>Jan 13, 2023 at 8:49:59 AM S Old Loco Rd Artesia NM 88210 United States</p> <p>32.761078 -104.066444</p>
Photo Direction: West	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 18	 <p>Jan 13, 2023 at 8:51:36 AM S Old Loco Rd Artesia NM 88210 United States</p> <p>32.760794 -104.066881</p>
Photo Direction: North-Northeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log


Photo Number: 19	 <p>Jan 13, 2023 at 8:53:22 AM S Old Loco Rd Artesia NM 88210 United States</p> <p>32.761047 -104.067017</p>
Photo Direction: North-Northwest	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 20	 <p>Jan 13, 2023 at 8:53:57 AM S Old Loco Rd Artesia NM 88210 United States</p> <p>32.761025 -104.067231</p>
Photo Direction: North-Northwest	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log



Photo Number: 21	<div>Jan 13, 2023 at 8:57:03 AM Hagerman Cutoff Rd Artesia NM 88210 United States</div>  <div>32.762039 -104.067428</div>
Photo Direction: West	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 22	<div>Jan 13, 2023 at 8:57:06 AM Hagerman Cutoff Rd Artesia NM 88210 United States</div>  <div>32.762039 -104.067428</div>
Photo Direction: South	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log



Photo Number: 23	
Photo Direction: Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 24	
Photo Direction: South-Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Appendix D

Laboratory Analytical Reports



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

November 23, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 11/18/22 16:03.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 1 @ SURF. (H225472-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2022	ND	1.78	88.9	2.00	9.30		
Toluene*	<0.050	0.050	11/22/2022	ND	1.97	98.4	2.00	10.6		
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.82	91.1	2.00	9.70		
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.44	90.6	6.00	10.8		
Total BTEx	<0.300	0.300	11/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	11/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.7 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 1 @ 2' (H225472-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	1.78	88.9	2.00	9.30	
Toluene*	<0.050	0.050	11/22/2022	ND	1.97	98.4	2.00	10.6	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.82	91.1	2.00	9.70	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.44	90.6	6.00	10.8	
Total BTX	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 94.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 2 @ SURF. (H225472-03)

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	11/22/2022	ND	1.78	88.9	2.00	9.30	
Toluene*	<0.050	0.050	11/22/2022	ND	1.97	98.4	2.00	10.6	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.82	91.1	2.00	9.70	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.44	90.6	6.00	10.8	
Total BTEX	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	11/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	10.5	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.0 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 2 @ 4' (H225472-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2022	ND	2.04	102	2.00	12.2		
Toluene*	<0.050	0.050	11/22/2022	ND	2.26	113	2.00	12.5		
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.08	104	2.00	11.9		
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.27	105	6.00	13.9		
Total BTEX	<0.300	0.300	11/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	11/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.4 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 3 @ SURF. (H225472-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/22/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.27	105	6.00	13.9	
Total BTX	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	22200	16.0	11/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.1 % 46.3-178

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/18/2022
 Reported: 11/23/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: NONE GIVEN

Sampling Date: 11/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 3 @ 4' (H225472-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/22/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.27	105	6.00	13.9	
Total BTEX	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 71.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.7 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 4 @ SURF. (H225472-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/22/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.27	105	6.00	13.9	
Total BTEX	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 64.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.5 % 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:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 5 @ SURF. (H225472-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	2.04	102	2.00	12.2	
Toluene*	0.166	0.050	11/22/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	0.198	0.050	11/22/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	0.228	0.150	11/22/2022	ND	6.27	105	6.00	13.9	
Total BTEX	0.633	0.300	11/22/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20000	16.0	11/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	32.5	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 66.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.9 % 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: 11/18/2022
 Reported: 11/23/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: NONE GIVEN

Sampling Date: 11/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 5 @ 4' (H225472-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/22/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.27	105	6.00	13.9	
Total BTEx	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	11/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.1 % 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:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 6 @ SURF. (H225472-10)

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	11/22/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/22/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.27	105	6.00	13.9	
Total BTEX	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	11/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	15.1	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 74.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.2 % 46.3-178

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Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 6 @ 4' (H225472-11)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9	
Total BTX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	11/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 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:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 7 @ SURF. (H225472-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19000	16.0	11/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 98.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 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:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 7 @ 4' (H225472-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2		
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9		
Total BTEX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	11/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 65.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.3 % 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:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 8 @ SURF. (H225472-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2		
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22400	16.0	11/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	11.9	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 75.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.2 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 8 @ 4' (H225472-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2		
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	11/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 75.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.1 % 46.3-178

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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 9 @ SURF. (H225472-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	35200	16.0	11/22/2022	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 75.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.1 % 46.3-178

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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 9 @ 3' (H225472-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9	
Total BTEx	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/22/2022	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	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 80.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.3 % 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:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 10 @ SURF. (H225472-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19200	16.0	11/22/2022	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	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.9 % 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:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 10 @ 2' (H225472-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	112	16.0	11/22/2022	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	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178

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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 11 @ SURF. (H225472-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9	
Total BTEx	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	41200	16.0	11/22/2022	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	11/22/2022	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	209	104	200	0.0835	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.9 % 46.3-178

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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 11 @ 2' (H225472-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	11/22/2022	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	11/22/2022	ND	209	105	200	2.19	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	205	103	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 12 @ SURF. (H225472-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2		
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	42000	16.0	11/22/2022	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	11/22/2022	ND	209	105	200	2.19	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	205	103	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 95.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 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:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 12 @ 2' (H225472-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.04	102	2.00	12.2	
Toluene*	<0.050	0.050	11/23/2022	ND	2.26	113	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	11.9	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.27	105	6.00	13.9	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	288	16.0	11/22/2022	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	11/22/2022	ND	209	105	200	2.19	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	205	103	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Routine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name: Etech Environmental & Safety Solutions, Inc.										BILL TO										ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw										P.O. #:										<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 W Marland										Company: Melbourne																													
City: Hobbs State: NM Zip: 88240										Attn: Jeff Broom																													
Phone #: (575) 264-9884 Fax #:										Address: 4801 Buena Vista Pk Blvd																													
Project #: 17123 Project Owner: Melbourne										City: Hobbs																													
Project Name: Samsonite 3-4 B2 NM Fed Com 1H										State: NM Zip: 88240																													
Project Location:										Phone #:																													
Sampler Name: Eric Mojica										Fax #:																													
FOR LAB USE ONLY										MATRIX										PRESERV.										SAMPLING									
Lab I.D.										Sample I.D.										(G)RAB OR (C)OMP.										# CONTAINERS									
																				GROUNDWATER										WASTEWATER									
																				SOIL										OIL									
																				SLUDGE										OTHER:									
																				ACID/BASE										ICE / COOL									
																				OTHER:										DATE									
																														TIME									
H825472																				G										1									
1										SP 1e Surf.										G										1									
2										SP 1e 2'										G										1									
3										SP 2e Surf.										G										1									
4										SP 2e 4'										G										1									
5										SP 3e Surf.										G										1									
6										SP 3e 4'										G										1									
7										SP 4e Surf.										G										1									
8										SP 5e Surf.										G										1									
9										SP 5e 4'										G										1									
10										SP 6e Surf.										G										1									
<p><small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small></p>																																							
Relinquished By:										Date: 11-18-22										Received By:										Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No									
										Time: 1003																				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Relinquished By:										Date:										Received By:										Add'l Phone #:									
										Time:																				Add'l Fax #:									
Delivered By: (Circle One)										4.72 C.O. 4.12 #113										Sample Condition										CHECKED BY:									
Sampler - UPS - Bus - Other:																				Cool Intact										(Initials)									
																				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										52									
Please email results and copy of CoC to pm@etechenv.com.																																							



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Routine

2. + 3

[illegible]



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Routine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO		ANALYSIS REQUEST															
Project Manager: <i>Lance Crenshaw</i>				P.O. #:		<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>															
Address: 2617 W Marland				Company: <i>Membourne</i>																	
City: Hobbs		State: NM Zip: 88240		Attn: <i>Jeff Broom</i>																	
Phone #: (575) 264-9884		Fax #:		Address: <i>4801 Business Pk Blvd</i>																	
Project #: <i>17123</i>		Project Owner: <i>Membourne</i>		City: <i>Hobbs</i>																	
Project Name: <i>Samsonite 3-4 B2NM Fed Com IH</i>				State: <i>NM</i> Zip: <i>88240</i>																	
Project Location:				Phone #:																	
Sampler Name: <i>Eric Mojica</i>				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(G/RAB OR (COMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING											
						GROUNDWATER															
						WASTEWATER															
						SOIL															
						OIL															
						SLUDGE															
						OTHER:															
						ACID/BASE:															
						ICE / SOOT															
						OTHER:															
										DATE		TIME									
<i>11-18-22</i>																					
<i>21</i>		<i>SP11e2'</i>		<i>G 1</i>																	
<i>22</i>		<i>SP12e surf.</i>		<i>G 1</i>																	
<i>23</i>		<i>SP12e2'</i>		<i>G 1</i>																	

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Relinquished By:	Date: <i>11-18-22</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>E. Mojica</i>	Time: <i>1603</i>	<i>S. Podkany</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) <i>4.7°C - 0.6°C</i>			Please email results and copy of CoC to pm@etechenv.com.	
Sampler - UPS - Bus - Other: <i>41°C #113</i>				
Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CHECKED BY: (Initials) <i>SP</i>	

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

November 29, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 11/21/22 15:29.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 13 @ SURF. (H225487-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9060	16.0	11/22/2022	ND	400	100	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	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 13 @ 4' (H225487-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	11/22/2022	ND	400	100	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	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2022
 Reported: 11/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE

Sampling Date: 11/21/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 14 @ SURF. (H225487-03)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/29/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/29/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/29/2022	ND	5.91	98.5	6.00	8.94		
Total BTX	<0.300	0.300	11/29/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14400	16.0	11/22/2022	ND	400	100	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	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 14 @ 3' (H225487-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/22/2022	ND	400	100	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	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 15 @ SURF. (H225487-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	11/22/2022	ND	400	100	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	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 15 @ 3' (H225487-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTEX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/22/2022	ND	400	100	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	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 16 @ SURF. (H225487-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	11/22/2022	ND	400	100	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	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 16 @ 2' (H225487-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81	
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94	
Total BTX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/22/2022	ND	400	100	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	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 17 @ SURF. (H225487-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8320	16.0	11/22/2022	ND	400	100	400	7.69	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 17 @ 4' (H225487-10)

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	11/23/2022	ND	1.92	96.0	2.00	7.81	
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94	
Total BTEx	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/22/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 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:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 18 @ SURF. (H225487-11)

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	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SP 18 @ 4' (H225487-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6660	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: NH 1 @ SURF. (H225487-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81		
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: NH 1 @ 1' (H225487-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 68.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 75.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EH 1 @ SURF. (H225487-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EH 1 @ 1' (H225487-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EH 2 @ SURF. (H225487-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 84.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EH 2 @ 1' (H225487-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 75.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EH 3 @ SURF. (H225487-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2022
 Reported: 11/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE

Sampling Date: 11/21/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EH 3 @ 1' (H225487-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EH 4 @ SURF. (H225487-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 75.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: EH 4 @ 1' (H225487-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.5 % 46.3-178

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

Analytical Results For:

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

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WH 1 @ SURF. (H225487-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.6 % 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:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WH 1 @ 1' (H225487-24)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64	
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668	
Total BTX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 73.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.2 % 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:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WH 2 @ SURF. (H225487-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.2 % 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:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WH 2 @ 1' (H225487-26)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64	
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668	
Total BTEx	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.1 % 46.3-178

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Analytical Results For:

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 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WH 3 @ SURF. (H225487-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.2 % 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:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WH 3 @ 1' (H225487-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64	
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.6 % 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:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WH 4 @ SURF. (H225487-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64		
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668		
Total BTEx	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2022	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	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 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:	11/21/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	17123	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: WH 4 @ 1' (H225487-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64	
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/22/2022	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	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.2 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2022
 Reported: 11/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE

Sampling Date: 11/21/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SH 1 @ SURF. (H225487-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64	
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668	
Total BTEx	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2022	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	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 71.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 73.6 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/21/2022
 Reported: 11/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE

Sampling Date: 11/21/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SH 1 @ 1' (H225487-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.01	100	2.00	1.64	
Toluene*	<0.050	0.050	11/23/2022	ND	2.14	107	2.00	1.76	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.962	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.32	105	6.00	0.0668	
Total BTEx	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/22/2022	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	11/23/2022	ND	182	91.1	200	6.88	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	193	96.4	200	8.63	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Routine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1. f 4

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																	
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																	
Address: 2617 W Marland				Company: Menbourne																					
City: Hobbs State: NM Zip: 88240				Attn: Jeff Broom																					
Phone #: (575) 264-9884 Fax #:				Address: 4801 Business Pk Blvd																					
Project #: 17123 Project Owner: Menbourne				City: Hobbs																					
Project Name: Samsonite 3-4 B2NM Fed Com IH				State: NM Zip: 88240																					
Project Location:				Phone #:																					
Sampler Name: Eric Mojica				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE ICE / GEL OTHER:		DATE TIME													
H225487				G 1		1		✓		✓		11-2-22													
1		SP13e Surf.		G 1		1		✓		✓		11-2-22													
2		SP13e 4'		G 1		1		✓		✓		11-2-22													
3		SP14e Surf.		G 1		1		✓		✓		11-2-22													
4		SP14e 3'		G 1		1		✓		✓		11-2-22													
5		SP15e Surf.		G 1		1		✓		✓		11-2-22													
6		SP15e 3'		G 1		1		✓		✓		11-2-22													
7		SP16e Surf.		G 1		1		✓		✓		11-2-22													
8		SP16e 2'		G 1		1		✓		✓		11-2-22													
9		SP17e Surf.		G 1		1		✓		✓		11-2-22													
10		SP17e 4'		G 1		1		✓		✓		11-2-22													
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Relinquished By: [Signature]				Date: 11-21-22				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:													
Relinquished By:				Date:				Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:													
Relinquished By:				Date:				Received By:				REMARKS:													
Delivered By: (Circle One) 4.5% C.O.V.				Sample Condition Cool Intact				CHECKED BY: (Initials)				Please email results and copy of CoC to pm@etechenv.com.													
Sampler - UPS - Bus - Other: 3.9% #113				Yes No				[Signature]																	

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



ARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Routine

2. + 4

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Lance Gearhart				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>											
Address: 2617 W Marland				Company: Menbournae															
City: Hobbs State: NM Zip: 88240				Attn: Jeff Broom															
Phone #: (575) 264-9884 Fax #:				Address: 4801 Burrows Pk Blvd															
Project #: 17123 Project Owner: Menbournae				City: Hobbs															
Project Name: Samsonite 3-4 B2NW Fed Gun IH				State: NM Zip: 88240															
Project Location:				Phone #:															
Sampler Name: Eric Mojica				Fax #:															

FOR LAB USE ONLY		Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING		DATE		TIME	
		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / GLOK	OTHER :			
11	SP18e Surf.	G	1			✓				✓			11-21-22		
12	SP18e4	G	1			✓				✓					
13	NH1e Surf.	G	1			✓				✓					
14	NH1e1	G	1			✓				✓					
15	EH1e Surf.	G	1			✓				✓					
16	EH1e1	G	1			✓				✓					
17	EH2e Surf.	G	1			✓				✓					
18	EH2e1	G	1			✓				✓					
19	EH3e Surf.	G	1			✓				✓					
20	EH3e1	G	1			✓				✓					

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Relinquished By: <div style="font-family: cursive; font-size: 1.2em;">Eric Mojica</div>		Date: 11-21-22 Time: 1529		Received By: <div style="font-family: cursive; font-size: 1.2em;">Rodriguez</div>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
		Time:				REMARKS:	

Delivered By: (Circle One) 4.5: C. O. U. 3.9: #113

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

☒ Yes ☒ Yes

☐ No ☐ No

CHECKED BY:

(Initials)

JK

Please email results and copy of CoC to pm@etechenv.com.

**ARDINAL LABORATORIES**

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Routine

3-4

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																															
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																															
Address: 2617 W Marland				Company: Menbournne																																			
City: Hobbs State: NM Zip: 88240				Attn: Jeff Broom																																			
Phone #: (575) 264-9884 Fax #:				Address: 4801 Business Park Blvd																																			
Project #: 17123 Project Owner: Menbournne				City: Hobbs																																			
Project Name: Samsonite 3-4 B2 NW Fed Cmn 1H				State: NM Zip: 88240																																			
Project Location:				Phone #:																																			
Sampler Name: Eric Mojica				Fax #:																																			
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / GGL:		OTHER:		DATE		TIME													
H225487																																							
21		EH40 Surf.		G 1						✓								✓		✓		✓		11-21-22				✓ ✓ ✓											
22		EH40 I'		G 1						✓								✓		✓		✓						✓ ✓ ✓											
23		WH10 Surf.		G 1						✓								✓		✓		✓						✓ ✓ ✓											
24		WH10 I'		G 1						✓								✓		✓		✓						✓ ✓ ✓											
25		WH20 Surf.		G 1						✓								✓		✓		✓						✓ ✓ ✓											
26		WH20 I'		G 1						✓								✓		✓		✓						✓ ✓ ✓											
27		WH30 Surf.		G 1						✓								✓		✓		✓						✓ ✓ ✓											
28		WH30 I'		G 1						✓								✓		✓		✓						✓ ✓ ✓											
29		WH40 Surf.		G 1						✓								✓		✓		✓						✓ ✓ ✓											
30		WH40 I'		G 1						✓								✓		✓		✓						✓ ✓ ✓											
<p>PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client or its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																							
Relinquished By: L. M. J.				Date: 11-21-22		Received By: S. Rodriguez				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																									
				Time: 1529						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																									
Relinquished By:				Date:		Received By:				REMARKS:																													
				Time:																																			
Delivered By: (Circle One) 4.5C-0.0.0				Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.																											
Sampler - UPS - Bus - Other: 390-#113				Cool Intact				(Initials)																															
				<input type="checkbox"/> Yes <input type="checkbox"/> No				SR																															

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Routine

4.44

[illegible]



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

December 01, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 11/29/22 16:28.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/29/2022
 Reported: 12/01/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 1 @ 2 (H225587-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.83	91.7	2.00	0.307	
Toluene*	<0.050	0.050	11/30/2022	ND	2.03	102	2.00	0.142	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.09	104	2.00	0.428	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.46	108	6.00	1.03	
Total BTX	<0.300	0.300	11/30/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	219	110	200	5.02	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 93.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.1 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/29/2022
 Reported: 12/01/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 2 @ 2 (H225587-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2022	ND	1.83	91.7	2.00	0.307		
Toluene*	<0.050	0.050	11/30/2022	ND	2.03	102	2.00	0.142		
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.09	104	2.00	0.428		
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.46	108	6.00	1.03		
Total BTEx	<0.300	0.300	11/30/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	219	110	200	5.02	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/29/2022
 Reported: 12/01/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 3 @ 2 (H225587-03)

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	11/30/2022	ND	1.83	91.7	2.00	0.307		
Toluene*	<0.050	0.050	11/30/2022	ND	2.03	102	2.00	0.142		
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.09	104	2.00	0.428		
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.46	108	6.00	1.03		
Total BTEx	<0.300	0.300	11/30/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	219	110	200	5.02	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.5 % 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: 11/29/2022
 Reported: 12/01/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW 1 (H225587-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2022	ND	1.83	91.7	2.00	0.307		
Toluene*	<0.050	0.050	11/30/2022	ND	2.03	102	2.00	0.142		
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.09	104	2.00	0.428		
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.46	108	6.00	1.03		
Total BTEx	<0.300	0.300	11/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	219	110	200	5.02	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: 2617 W Marland				Company: Mew Bourn																									
City: Hobbs		State: NM		Zip: 88240		Attn: Jeff Broom																							
Phone #: (575) 264-9884		Fax #:		Address: 4801 Bus Fair Blvd		City: Hobbs																							
Project #:		Project Owner: Mew Bourn		State: NM		Zip:																							
Project Name: Samsonite 3-4 B2NM Fed Com 1 H		Project Location: Rural Loco Hills		Phone #:		Fax #:																							
Sampler Name: Dominic Casarez																													
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
H225587																													
DC 1		FL 1 @ 2																											
2		FL 2 @ 2																											
3		FL 3 @ 2																											
4		SWI																											
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																													
Relinquished By:				Date: 11-29		Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:				REMARKS:			
Relinquished By:				Time: 4:28		Received By:																							
Delivered By: (Circle One)				#113				Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.													
Sampler - UPS - Bus - Other: 19.4c / 18.8c				Cool Intact				(Initials)																					
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				DO																					

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

December 05, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 11/30/22 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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/30/2022	Sampling Date:	11/30/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: EW 1 (H225619-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	2.12	106	2.00	15.7		
Toluene*	<0.050	0.050	12/03/2022	ND	2.12	106	2.00	15.9		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.08	104	2.00	15.1		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.44	107	6.00	15.6		
Total BTEX	<0.300	0.300	12/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/05/2022	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	12/04/2022	ND	188	94.2	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	199	99.3	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H225619-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	2.12	106	2.00	15.7		
Toluene*	<0.050	0.050	12/03/2022	ND	2.12	106	2.00	15.9		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.08	104	2.00	15.1		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.44	107	6.00	15.6		
Total BTEx	<0.300	0.300	12/03/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/05/2022	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	12/04/2022	ND	188	94.2	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	199	99.3	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: NW 1 (H225619-03)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	2.12	106	2.00	15.7	
Toluene*	<0.050	0.050	12/03/2022	ND	2.12	106	2.00	15.9	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.08	104	2.00	15.1	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.44	107	6.00	15.6	
Total BTX	<0.300	0.300	12/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/05/2022	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	12/03/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/03/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/03/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW 2 (H225619-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88		
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51		
Total BTEx	<0.300	0.300	12/03/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/05/2022	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	12/03/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/03/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/03/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 4 @ 2 (H225619-05)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88		
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51		
Total BTX	<0.300	0.300	12/03/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/05/2022	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	12/03/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/03/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/03/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 5 @ 2 (H225619-06)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88		
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51		
Total BTX	<0.300	0.300	12/03/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/05/2022	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	12/04/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ 3 (H225619-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88		
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51		
Total BTEx	<0.300	0.300	12/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/05/2022	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	12/04/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 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: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 7 @ 3 (H225619-08)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88		
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51		
Total BTX	<0.300	0.300	12/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/05/2022	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	12/04/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 97.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 8 @ 3 (H225619-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88		
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51		
Total BTEx	<0.300	0.300	12/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/05/2022	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	12/04/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 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: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 @ 3 (H225619-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88		
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51		
Total BTEx	<0.300	0.300	12/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/05/2022	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	12/04/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 10 @ 3 (H225619-11)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88		
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51		
Total BTX	<0.300	0.300	12/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/05/2022	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	12/04/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.7 % 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: 11/30/2022
 Reported: 12/05/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 11/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 11 @ 3 (H225619-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88		
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81		
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51		
Total BTEx	<0.300	0.300	12/03/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/05/2022	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	12/04/2022	ND	223	111	200	5.93	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	231	116	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178

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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 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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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of 16

[illegible]

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 06, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/01/22 16:28.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/06/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: EW 2 (H225649-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	1.76	87.8	2.00	5.94		
Toluene*	<0.050	0.050	12/05/2022	ND	1.85	92.5	2.00	4.61		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	1.84	92.1	2.00	2.39		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	5.70	94.9	6.00	2.01		
Total BTX	<0.300	0.300	12/05/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/05/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	184	92.1	200	0.206	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	167	83.5	200	6.62	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: EW 3 (H225649-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2022	ND	2.06	103	2.00	11.4	
Toluene*	<0.050	0.050	12/05/2022	ND	2.07	103	2.00	12.9	
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.02	101	2.00	15.9	
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.21	103	6.00	14.2	
Total BTEX	<0.300	0.300	12/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/05/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	184	92.1	200	0.206	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	167	83.5	200	6.62	
EXT DRO >C28-C36	<10.0	10.0	12/03/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/06/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: SW 3 (H225649-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	2.06	103	2.00	11.4		
Toluene*	<0.050	0.050	12/05/2022	ND	2.07	103	2.00	12.9		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.02	101	2.00	15.9		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.21	103	6.00	14.2		
Total BTEX	<0.300	0.300	12/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/05/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	176	88.1	200	6.20	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	176	88.0	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.4 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: NW 2 (H225649-04)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2022	ND	2.06	103	2.00	11.4	
Toluene*	<0.050	0.050	12/05/2022	ND	2.07	103	2.00	12.9	
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.02	101	2.00	15.9	
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.21	103	6.00	14.2	
Total BTEX	<0.300	0.300	12/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/05/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	176	88.1	200	6.20	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	176	88.0	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.9 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 12 @ 3 (H225649-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	2.06	103	2.00	11.4		
Toluene*	<0.050	0.050	12/05/2022	ND	2.07	103	2.00	12.9		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.02	101	2.00	15.9		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.21	103	6.00	14.2		
Total BTEx	<0.300	0.300	12/05/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/05/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2022	ND	176	88.1	200	6.20	
DRO >C10-C28*	<10.0	10.0	12/02/2022	ND	176	88.0	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	12/02/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 13 @ 3 (H225649-06)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2022	ND	2.06	103	2.00	11.4	
Toluene*	<0.050	0.050	12/05/2022	ND	2.07	103	2.00	12.9	
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.02	101	2.00	15.9	
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.21	103	6.00	14.2	
Total BTEx	<0.300	0.300	12/05/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/05/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					

Surrogate: 1-Chlorooctane 74.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.9 % 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: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 14 @ 3 (H225649-07)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2022	ND	2.06	103	2.00	11.4	
Toluene*	<0.050	0.050	12/05/2022	ND	2.07	103	2.00	12.9	
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.02	101	2.00	15.9	
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.21	103	6.00	14.2	
Total BTEx	<0.300	0.300	12/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/05/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					

Surrogate: 1-Chlorooctane 72.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.2 % 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: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 15 @ 3 (H225649-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	2.06	103	2.00	11.4		
Toluene*	<0.050	0.050	12/05/2022	ND	2.07	103	2.00	12.9		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.02	101	2.00	15.9		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.21	103	6.00	14.2		
Total BTEx	<0.300	0.300	12/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/05/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					

Surrogate: 1-Chlorooctane 72.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.3 % 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: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 16 @ 4 (H225649-09)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2022	ND	2.06	103	2.00	11.4	
Toluene*	<0.050	0.050	12/05/2022	ND	2.07	103	2.00	12.9	
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.02	101	2.00	15.9	
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.21	103	6.00	14.2	
Total BTEx	<0.300	0.300	12/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	12/05/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					

Surrogate: 1-Chlorooctane 72.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.5 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 17 @ 4 (H225649-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	2.06	103	2.00	11.4		
Toluene*	<0.050	0.050	12/05/2022	ND	2.07	103	2.00	12.9		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.02	101	2.00	15.9		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.21	103	6.00	14.2		
Total BTEx	<0.300	0.300	12/05/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	12/05/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					

Surrogate: 1-Chlorooctane 67.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 71.1 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 18 @ 4 (H225649-11)

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	12/05/2022	ND	1.92	95.8	2.00	0.702		
Toluene*	<0.050	0.050	12/05/2022	ND	1.98	99.0	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	1.91	95.6	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	5.88	98.0	6.00	2.29		
Total BTEx	<0.300	0.300	12/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/05/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					

Surrogate: 1-Chlorooctane 63.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 66.7 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/06/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: FL 19 @ 4 (H225649-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	1.92	95.8	2.00	0.702		
Toluene*	<0.050	0.050	12/05/2022	ND	1.98	99.0	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	1.91	95.6	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	5.88	98.0	6.00	2.29		
Total BTEx	<0.300	0.300	12/05/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/05/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					

Surrogate: 1-Chlorooctane 72.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.4 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 20 @ 4 (H225649-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	1.92	95.8	2.00	0.702		
Toluene*	<0.050	0.050	12/05/2022	ND	1.98	99.0	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	1.91	95.6	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	5.88	98.0	6.00	2.29		
Total BTEX	<0.300	0.300	12/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/05/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/06/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/06/2022	ND					

Surrogate: 1-Chlorooctane 77.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.1 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 21 @ 4 (H225649-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	1.92	95.8	2.00	0.702		
Toluene*	<0.050	0.050	12/05/2022	ND	1.98	99.0	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	1.91	95.6	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	5.88	98.0	6.00	2.29		
Total BTEx	<0.300	0.300	12/05/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/05/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					

Surrogate: 1-Chlorooctane 66.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.3 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 22 @ 4 (H225649-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	1.92	95.8	2.00	0.702		
Toluene*	<0.050	0.050	12/05/2022	ND	1.98	99.0	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	1.91	95.6	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	5.88	98.0	6.00	2.29		
Total BTEx	<0.300	0.300	12/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/05/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/06/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/06/2022	ND					

Surrogate: 1-Chlorooctane 69.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.5 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/01/2022
 Reported: 12/06/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 23 @ 4 (H225649-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2022	ND	1.92	95.8	2.00	0.702		
Toluene*	<0.050	0.050	12/05/2022	ND	1.98	99.0	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	1.91	95.6	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/05/2022	ND	5.88	98.0	6.00	2.29		
Total BTEx	<0.300	0.300	12/05/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	12/05/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2022	ND	176	88.1	200	3.42	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	184	92.1	200	4.13	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					

Surrogate: 1-Chlorooctane 73.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.1 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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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 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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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lane Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 W Marland				Company: Mewbourn																							
City: Hobbs State: NM Zip: 88240				Attn: Jeff Broom																							
Phone #: (575) 264-9884 Fax #:				Address: 801 Bus Park Blvd																							
Project #: Project Owner: Mewbourn				City: Hobbs																							
Project Name: Samsonite 3-4 B2 NM Fed Cont LH				State: NM Zip:																							
Project Location: Rural Lolo Hills NM.				Phone #:																							
Sampler Name: Dominic Casarez				Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		SLUDGE		OTHER:		ACID/BASE		ICE / COOL		OTHER:		DATE		TIME	
H225649																											
DC 1		EW2																									
2		EW3																									
3		SW3																									
4		NW2																									
5		FL12@3																									
6		FL13@3																									
7		FL14@3																									
8		FL15@3																									
9		FL16@4																									
10		FL17@4																									

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Relinquished By:	Date: 12/1	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 4:23 pm	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 17.2c/16.6c			REMARKS:	
Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			CHECKED BY:	

Please email results and copy of CoC to pm@etechenv.com.

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: <u>Lane Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																							
Address: 2617 W Marland				Company: <u>Mewborn</u>																											
City: Hobbs		State: NM		Zip: 88240		Attn: <u>Jeff Broom</u>																									
Phone #: (575) 264-9884		Fax #:		Address: <u>4801 Bus Park Blvd</u>																											
Project #:		Project Owner: <u>Mewborn</u>		City: <u>Hobbs</u>																											
Project Name: <u>Samsonite 3-4 B2NM Fed Com 1 H</u>				State: <u>NM</u> Zip:																											
Project Location: <u>Rural Loco Hills N.M.</u>				Phone #:																											
Sampler Name: <u>Dominic Casarez</u>				Fax #:																											
FOR LAB USE ONLY																															
Lab I.D.		Sample I.D.		(GRAB OR C/COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING																					
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE ICE / COOL OTHER:				DATE		TIME																	
<u>H225649</u>												<u>12/1</u>		<u>4:28</u>																	
<u>11 FL18@4</u>																															
<u>12 FL19@4</u>																															
<u>13 FL20@4</u>																															
<u>14 FL21@4</u>																															
<u>15 FL22@4</u>																															
<u>16 FL23@4</u>																															
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																															
Relinquished By: <u>[Signature]</u>				Date: <u>12/1</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																	
				Time: <u>4:28pm</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																	
Relinquished By:				Date:		Received By:				REMARKS:																					
				Time:																											
Delivered By: (Circle One)				#113		Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.																	
Sampler - UPS - Bus - Other:				<u>17.2 c / 16.6 c</u>		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<u>[Signature]</u>																					

FORM-006
Revision 1.0

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

December 09, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/02/22 16:29.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/02/2022	Sampling Date:	12/02/2022
Reported:	12/09/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: FL 24 @ 4 (H225681-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62	
Total BTX	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/08/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 25 @ 4 (H225681-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62	
Total BTEx	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 114 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 26 @ 4 (H225681-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	3.71		
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62		
Total BTEx	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 27 @ 4 (H225681-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	3.71		
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62		
Total BTEx	<0.300	0.300	12/09/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 28 @ 4 (H225681-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2022	ND	2.12	106	2.00	5.92	
Toluene*	<0.050	0.050	12/07/2022	ND	2.24	112	2.00	2.16	
Ethylbenzene*	<0.050	0.050	12/07/2022	ND	2.23	111	2.00	2.87	
Total Xylenes*	<0.150	0.150	12/07/2022	ND	6.73	112	6.00	2.25	
Total BTEx	<0.300	0.300	12/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 29 @ 4 (H225681-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	2.12	106	2.00	5.92	
Toluene*	<0.050	0.050	12/08/2022	ND	2.24	112	2.00	2.16	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.23	111	2.00	2.87	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.73	112	6.00	2.25	
Total BTX	<0.300	0.300	12/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 30 @ 4 (H225681-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2022	ND	2.12	106	2.00	5.92		
Toluene*	<0.050	0.050	12/08/2022	ND	2.24	112	2.00	2.16		
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.23	111	2.00	2.87		
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.73	112	6.00	2.25		
Total BTEx	<0.300	0.300	12/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 98.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 31 @ 4 (H225681-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	2.12	106	2.00	5.92	
Toluene*	<0.050	0.050	12/08/2022	ND	2.24	112	2.00	2.16	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.23	111	2.00	2.87	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.73	112	6.00	2.25	
Total BTEx	<0.300	0.300	12/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 77.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.2 % 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: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 32 @ 4 (H225681-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	2.12	106	2.00	5.92	
Toluene*	<0.050	0.050	12/08/2022	ND	2.24	112	2.00	2.16	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.23	111	2.00	2.87	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.73	112	6.00	2.25	
Total BTEx	<0.300	0.300	12/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 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: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 33 @ 4 (H225681-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	2.12	106	2.00	5.92	
Toluene*	<0.050	0.050	12/08/2022	ND	2.24	112	2.00	2.16	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.23	111	2.00	2.87	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.73	112	6.00	2.25	
Total BTEx	<0.300	0.300	12/08/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 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: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 34 @ 4 (H225681-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	2.12	106	2.00	5.92	
Toluene*	<0.050	0.050	12/08/2022	ND	2.24	112	2.00	2.16	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.23	111	2.00	2.87	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.73	112	6.00	2.25	
Total BTEx	<0.300	0.300	12/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.6 % 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: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 35 @ 4 (H225681-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	2.12	106	2.00	5.92	
Toluene*	<0.050	0.050	12/08/2022	ND	2.24	112	2.00	2.16	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.23	111	2.00	2.87	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.73	112	6.00	2.25	
Total BTEX	<0.300	0.300	12/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.0 % 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: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 36 @ 4 (H225681-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2022	ND	2.12	106	2.00	5.92		
Toluene*	<0.050	0.050	12/08/2022	ND	2.24	112	2.00	2.16		
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.23	111	2.00	2.87		
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.73	112	6.00	2.25		
Total BTEx	<0.300	0.300	12/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 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: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW 4 (H225681-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	2.12	106	2.00	5.92	
Toluene*	<0.050	0.050	12/08/2022	ND	2.24	112	2.00	2.16	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.23	111	2.00	2.87	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.73	112	6.00	2.25	
Total BTEx	<0.300	0.300	12/08/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 84.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.9 % 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: 12/02/2022
 Reported: 12/09/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: NW 3 (H225681-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	2.09	105	2.00	2.61	
Toluene*	<0.050	0.050	12/08/2022	ND	2.19	110	2.00	2.86	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.13	107	2.00	2.10	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.50	108	6.00	2.48	
Total BTEx	<0.300	0.300	12/08/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/08/2022	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	12/07/2022	ND	181	90.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	178	89.2	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.5 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: <u>Lance Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>											
Address: 2617 W Marland				Company: <u>Melbourn</u>															
City: Hobbs State: NM Zip: 88240				Attn: <u>Jeff Broom</u>															
Phone #: (575) 264-9884 Fax #:				Address: <u>4801 Bospark Blvd</u>															
Project #: Project Owner: <u>Melbourn</u>				City: <u>Hobbs</u>															
Project Name: <u>Samsonite 3-4 B2NM Fed Com 1 H</u>				State: <u>NM</u> Zip: <u></u>															
Project Location: <u>Rural land NM. Loco Hills</u>				Phone #:															
Sampler Name: <u>Dominic Casarez</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.			SAMPLING							
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME			
<u>H275681</u>																			
<u>DC 1</u>		<u>FL 24 @ 4</u>													<u>12-2</u>	<u>429</u>			
<u>2</u>		<u>FL 25 @ 4</u>																	
<u>3</u>		<u>FL 26 @ 4</u>																	
<u>4</u>		<u>FL 27 @ 4</u>																	
<u>5</u>		<u>FL 28 @ 4</u>																	
<u>6</u>		<u>FL 29 @ 4</u>																	
<u>7</u>		<u>FL 30 @ 4</u>																	
<u>8</u>		<u>FL 31 @ 4</u>																	
<u>9</u>		<u>FL 32 @ 4</u>																	
<u>10</u>		<u>FL 33 @ 4</u>																	
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Relinquished By: <u>[Signature]</u>				Date: <u>12-2</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:							
				Time: <u>429pm</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:							
Relinquished By:				Date:		Received By:				REMARKS: Please email results and copy of CoC to pm@etechenv.com.									
				Time:															
Delivered By: (Circle One)				#113		Sample Condition				CHECKED BY:									
Sampler - UPS - Bus - Other: <u>23.8c / 23.2c</u>						Cool Intact				(initials)									
						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																			
Project Manager: <u>Lark Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																			
Address: 2617 W Marland				Company: <u>Mewbourn</u>																																							
City: Hobbs State: NM Zip: 88240				Attn: <u>Jeff Broom</u>																																							
Phone #: (575) 264-9884 Fax #:				Address: <u>4801 Bis park Blvd</u>																																							
Project #: Project Owner: 1				City: <u>Hobbs</u>																																							
Project Name: <u>Samsonite 3-4 BZNM Fed Com / H</u>				State: <u>NM</u> Zip:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																			
Project Location: <u>Rural Loco Hills N.M.</u>				Phone #:																																							
Sampler Name: <u>Dominic Casarez</u>				Fax #:																																							
FOR LAB USE ONLY																																											
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE		ICE / COOL		OTHER:		DATE		TIME															
<u>H225681</u>																																											
<u>DC 11</u>		<u>FL34 @ 4</u>																										<u>12 2</u>		<u>4 29</u>													
<u>12</u>		<u>FL35 @ 4</u>																																									
<u>13</u>		<u>FL36 @ 4</u>																																									
<u>14</u>		<u>SW4</u>																																									
<u>15</u>		<u>NW3</u>																																									
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																											
Relinquished By: <u>[Signature]</u>				Date: <u>12.2</u>				Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																											
				Time: <u>4 29 pm</u>								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																											
Relinquished By:				Date:				Received By:				REMARKS:																															
				Time:																																							
Delivered By: (Circle One)				#113				Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.																											
Sampler - UPS - Bus - Other:				<u>23.82 / 23.22</u>				Cool Intact				(Initials)																															
								<input type="checkbox"/> Yes <input type="checkbox"/> No				<u>[Signature]</u>																															



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

December 12, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/05/22 16:13.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/05/2022	Sampling Date:	12/05/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: FL 37 @ 4 (H225698-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39	
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85	
Total BTX	<0.300	0.300	12/09/2022	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 38 @ 4 (H225698-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39		
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85		
Total BTEx	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 39 @ 4 (H225698-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39	
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85	
Total BTEx	<0.300	0.300	12/09/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 121 % 45.3-161

Surrogate: 1-Chlorooctadecane 134 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 40 @ 4 (H225698-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39	
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85	
Total BTEx	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 85.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 41 @ 4 (H225698-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39		
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85		
Total BTEx	<0.300	0.300	12/09/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 42 @ 4 (H225698-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39	
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85	
Total BTEx	<0.300	0.300	12/09/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 43 @ 4 (H225698-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39	
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85	
Total BTX	<0.300	0.300	12/09/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 44 @ 4 (H225698-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39		
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85		
Total BTX	<0.300	0.300	12/09/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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 LANCE CRENSHAW
 2617 W MARLAND
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 Fax To:

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: EW4 (H225698-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39	
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85	
Total BTEx	<0.300	0.300	12/09/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: NW4 (H225698-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.04	102	2.00	1.39		
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85		
Total BTEx	<0.300	0.300	12/09/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/08/2022	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	12/07/2022	ND	193	96.7	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	173	86.6	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 12/05/2022
 Reported: 12/12/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/05/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW5 (H225698-11)

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	12/09/2022	ND	2.04	102	2.00	1.39	
Toluene*	<0.050	0.050	12/09/2022	ND	2.14	107	2.00	1.81	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	1.78	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.34	106	6.00	2.85	
Total BTEx	<0.300	0.300	12/09/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/08/2022	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	12/08/2022	ND	187	93.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	159	79.7	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 14 of 15

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																																																																																																																																																																																																					
Project Manager: Lane Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																																																																																																																																																																																																					
Address: 2617 W Marland				Company: Mewbourn																																																																																																																																																																																																																									
City: Hobbs		State: NM		Zip: 88240		Attn: Jeff Broom																																																																																																																																																																																																																							
Phone #: (575) 264-9884		Fax #:		Address: 4801 Bus Park Blvd																																																																																																																																																																																																																									
Project #:		Project Owner: Mewbourn		City: Hobbs																																																																																																																																																																																																																									
Project Name: Sam Santa 3-4 B2AM Fed Can 1 H				State: NM																Zip:																																																																																																																																																																																																									
Project Location: Rural Loco Hills N.M.				Phone #:																																																																																																																																																																																																																									
Sampler Name: Dominic Casarez				Fax #:																																																																																																																																																																																																																									
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> <th rowspan="2">Chloride</th> <th rowspan="2">TPH (8015M)</th> <th rowspan="2">BTEX (8021B)</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER :</th> <th>ACID/BASE:</th> <th>ICE / COOL</th> <th>OTHER :</th> </tr> </thead> <tbody> <tr> <td>H225698</td> <td>DC</td> <td>1</td> <td>FL37 @ 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> <td>5</td> <td>4:13</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td></td> <td></td> <td>2</td> <td>FL38 @ 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>3</td> <td>FL39 @ 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>4</td> <td>FL40 @ 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>5</td> <td>FL41 @ 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>6</td> <td>FL42 @ 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>7</td> <td>FL43 @ 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>8</td> <td>FL44 @ 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	H225698	DC	1	FL37 @ 4													12	5	4:13	✓	✓	✓			2	FL38 @ 4																					3	FL39 @ 4																					4	FL40 @ 4																					5	FL41 @ 4																					6	FL42 @ 4																					7	FL43 @ 4																					8	FL44 @ 4																		
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FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 13, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/06/22 16:17.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/06/2022
 Reported: 12/13/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 45 @ 4 (H225730-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32	
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732	
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255	
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480	
Total BTX	<0.300	0.300	12/10/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	175	87.6	200	9.12	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	172	86.0	200	14.3	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.7 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/06/2022
 Reported: 12/13/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 46 @ 4 (H225730-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32		
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732		
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255		
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480		
Total BTEx	<0.300	0.300	12/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	175	87.6	200	9.12	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	172	86.0	200	14.3	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.9 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/06/2022
 Reported: 12/13/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 47 @ 4 (H225730-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32		
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732		
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255		
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480		
Total BTEx	<0.300	0.300	12/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	175	87.6	200	9.12	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	172	86.0	200	14.3	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/06/2022
 Reported: 12/13/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 48 @ 4 (H225730-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32		
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732		
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255		
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480		
Total BTEx	<0.300	0.300	12/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/09/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	175	87.6	200	9.12	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	172	86.0	200	14.3	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/06/2022
 Reported: 12/13/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 2 (H225730-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2022	ND	2.09	105	2.00	2.61	
Toluene*	<0.050	0.050	12/08/2022	ND	2.19	110	2.00	2.86	
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.13	107	2.00	2.10	
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.50	108	6.00	2.48	
Total BTEX	<0.300	0.300	12/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	175	87.6	200	9.12	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	172	86.0	200	14.3	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 71.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/06/2022
 Reported: 12/13/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 3 (H225730-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2022	ND	2.09	105	2.00	2.61		
Toluene*	<0.050	0.050	12/08/2022	ND	2.19	110	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.13	107	2.00	2.10		
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.50	108	6.00	2.48		
Total BTEx	<0.300	0.300	12/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	175	87.6	200	9.12	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	172	86.0	200	14.3	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/06/2022
 Reported: 12/13/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 6 (H225730-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/08/2022	ND	2.09	105	2.00	2.61		
Toluene*	<0.050	0.050	12/08/2022	ND	2.19	110	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/08/2022	ND	2.13	107	2.00	2.10		
Total Xylenes*	<0.150	0.150	12/08/2022	ND	6.50	108	6.00	2.48		
Total BTEx	<0.300	0.300	12/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	175	87.6	200	9.12	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	172	86.0	200	14.3	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10

[illegible]

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

December 14, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/07/22 16:18.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/07/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: FL 49 @ 4 (H225769-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.14	107	2.00	9.26	
Toluene*	<0.050	0.050	12/11/2022	ND	2.17	108	2.00	8.52	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	9.67	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.75	112	6.00	11.4	
Total BTX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	12/09/2022	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 50 @ 4 (H225769-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 51 @ 4 (H225769-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 52 @ 4 (H225769-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34		
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47		
Total BTEx	<0.300	0.300	12/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 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: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 53 @ 4 (H225769-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34		
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47		
Total BTEx	<0.300	0.300	12/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 54 @ 4 (H225769-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34		
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47		
Total BTEx	<0.300	0.300	12/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5760	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 55 @ 4 (H225769-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34		
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47		
Total BTEx	<0.300	0.300	12/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 56 @ 4 (H225769-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEx	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7120	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 57 @ 4 (H225769-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34		
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47		
Total BTEx	<0.300	0.300	12/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7360	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 58 @ 4 (H225769-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34		
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47		
Total BTEx	<0.300	0.300	12/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10100	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 59 @ 4 (H225769-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34		
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47		
Total BTEx	<0.300	0.300	12/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 60 @ 4 (H225769-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEx	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12700	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/07/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: EW 5 (H225769-13)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEx	<0.300	0.300	12/11/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/09/2022	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	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: <u>Lanc Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>																					
Address: P.O. Box 301				Company: <u>Mewbourn</u>																									
City: Lovington State: NM Zip: 88260				Attn: <u>Jeff Broom</u>																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address: <u>4801 Brs Park Blvd</u>																									
Project #: <u>17123</u> Project Owner: <u>Mewbourn</u>				City: <u>Hobbs</u>																									
Project Name: <u>SAMSONITE 3-4 B2NM Fed Com 1H</u>				State: <u>NM</u> Zip:																									
Project Location: <u>Rural Loco Hills</u>				Phone #:																									
Sampler Name: <u>Dominic Casarez</u>				Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME														
<u>H225769</u>																													
1 FL 4g @ 4								✓						12 7	4:18	✓	✓												
2 FL 50 @ 4																													
3 FL 51 @ 4																													
4 FL 52 @ 4																													
5 FL 53 @ 4																													
6 FL 54 @ 4																													
7 FL 55 @ 4																													
8 FL 56 @ 4																													
9 FL 57 @ 4																													
10 FL 58 @ 4																													
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Relinquished By: <u>[Signature]</u>				Date: <u>12 7</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:															
				Time: <u>4:18 pm</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:															
Relinquished By:				Date:		Received By:				REMARKS:																			
				Time:																									
Delivered By: (Circle One)				#113		Sample Condition				CHECKED BY:				Please email results to pm@etechenv.com.															
Sampler - UPS - Bus - Other: <u>19.9c / 19.3c</u>						Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				(Initials) <u>[Signature]</u>																			



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

December 14, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/08/22 14:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: FL 61 @ 4 (H225801-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	12/12/2022	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	12/09/2022	ND	166	82.9	200	3.72	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 81.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 62 @ 4 (H225801-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625		
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450		
Total BTEX	<0.300	0.300	12/12/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7330	16.0	12/12/2022	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	12/09/2022	ND	166	82.9	200	3.72	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 72.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 63 @ 4 (H225801-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625		
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450		
Total BTEX	<0.300	0.300	12/12/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	12/12/2022	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	12/09/2022	ND	189	94.3	200	2.81	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	195	97.4	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 64 @ 4 (H225801-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTX	<0.300	0.300	12/12/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	12/12/2022	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	12/09/2022	ND	189	94.3	200	2.81	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	195	97.4	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 65 @ 4 (H225801-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625		
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450		
Total BTEx	<0.300	0.300	12/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	12/12/2022	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*	<50.0	50.0	12/09/2022	ND	189	94.3	200	2.81	
DRO >C10-C28*	<50.0	50.0	12/09/2022	ND	195	97.4	200	5.30	
EXT DRO >C28-C36	<50.0	50.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 66 @ 4 (H225801-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2022	ND	2.07	104	2.00	12.0		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	11.9		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.11	105	2.00	10.9		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.54	109	6.00	10.9		
Total BTEx	<0.300	0.300	12/12/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1540	16.0	12/12/2022	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	12/09/2022	ND	189	94.3	200	2.81	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	195	97.4	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 126 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 67 @ 4 (H225801-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2022	ND	2.07	104	2.00	12.0		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	11.9		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.11	105	2.00	10.9		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.54	109	6.00	10.9		
Total BTEx	<0.300	0.300	12/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	12/12/2022	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	12/09/2022	ND	189	94.3	200	2.81	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	195	97.4	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 68 @ 4 (H225801-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2022	ND	2.07	104	2.00	12.0		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	11.9		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.11	105	2.00	10.9		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.54	109	6.00	10.9		
Total BTEx	<0.300	0.300	12/12/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1810	16.0	12/12/2022	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	12/09/2022	ND	189	94.3	200	2.81	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	195	97.4	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: SW 7 (H225801-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.07	104	2.00	12.0	
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.11	105	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.54	109	6.00	10.9	
Total BTEx	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/12/2022	ND	432	108	400	3.64	QR-03
TPH 8015M		mg/kg		Analyzed By: MS					

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	189	94.3	200	2.81	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	195	97.4	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: EW 6 (H225801-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.07	104	2.00	12.0	
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.11	105	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.54	109	6.00	10.9	
Total BTEx	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/12/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	212	106	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	195	97.7	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: WW 4 (H225801-11)

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	12/12/2022	ND	2.07	104	2.00	12.0	
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.11	105	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.54	109	6.00	10.9	
Total BTEx	<0.300	0.300	12/12/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/12/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	212	106	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	195	97.7	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																			
Project Manager: Lane Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																			
Address: 2617 W Marland				Company: Melbourn																																							
City: Hobbs		State: NM		Zip: 88240		Attn: Jeff Broom																																					
Phone #: (575) 264-9884		Fax #:		Address: 4801 Bus Ave		City: Hobbs																																					
Project #: 17123		Project Owner: Melbourn		State: NM		Zip:																																					
Project Name: Samsonite 3-4 B2NM Fed com 1 H				Phone #:																																							
Project Location: Rural Loco Hills				Fax #:																																							
Sampler Name: Dominic Casarez																																											
FOR LAB USE ONLY																																											
Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																															
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME															
H2258D1																																											
DC 1		FL 61 @ 4																																									
2		FL 62 @ 4																																									
3		FL 63 @ 4																																									
4		FL 64 @ 4																																									
5		FL 65 @ 4																																									
6		FL 66 @ 4																																									
7		FL 67 @ 4																																									
8		FL 68 @ 4																																									
9		SW7																																									
10		EW6																																									
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																											
Relinquished By:				Date: 12/8		Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																													
				Time: 2:24						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																													
Relinquished By:				Date: 14:50		Received By:				REMARKS:																																	
				Time:																																							
Delivered By: (Circle One) 19.20 / 18.60				Sample Condition		CHECKED BY:																																					
Sampler - UPS - Bus - Other: #113				Cool Intact																																							
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																							

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



ARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 14, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/09/22 15:37.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 69 @ 4 (H225830-01)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89	
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94	
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96	
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48	
Total BTEx	<0.300	0.300	12/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	12/12/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	228	114	200	3.77	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	214	107	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 122 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 70 @ 4 (H225830-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89		
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48		
Total BTEX	<0.300	0.300	12/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1820	16.0	12/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	228	114	200	3.77	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	214	107	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 71 @ 4 (H225830-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89		
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48		
Total BTEx	<0.300	0.300	12/13/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	12/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	228	114	200	3.77	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	214	107	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 116 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 72 @ 4 (H225830-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89		
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48		
Total BTEx	<0.300	0.300	12/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	12/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	228	114	200	3.77	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	214	107	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 135 % 45.3-161

Surrogate: 1-Chlorooctadecane 138 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 73 @ 4 (H225830-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89		
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48		
Total BTEx	<0.300	0.300	12/13/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	12/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	228	114	200	3.77	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	214	107	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 74 @ 4 (H225830-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89		
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48		
Total BTEx	<0.300	0.300	12/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	12/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	228	114	200	3.77	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	214	107	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 75 @ 4 (H225830-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89		
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48		
Total BTEx	<0.300	0.300	12/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	228	114	200	3.77	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	214	107	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 76 @ 4 (H225830-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89		
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48		
Total BTEx	<0.300	0.300	12/13/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	228	114	200	3.77	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	214	107	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: EW 7 (H225830-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89		
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48		
Total BTEx	<0.300	0.300	12/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	228	114	200	3.77	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	214	107	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 114 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/09/2022
 Reported: 12/14/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WW 5 (H225830-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.07	103	2.00	7.89		
Toluene*	<0.050	0.050	12/13/2022	ND	2.08	104	2.00	7.94		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.05	102	2.00	6.96		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.38	106	6.00	5.48		
Total BTEx	<0.300	0.300	12/13/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	215	108	200	4.51	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	196	97.9	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Lancere Shaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>															
Address: 2617 W Marland				Company: <u>Newbourn</u>																			
City: Hobbs State: NM Zip: 88240				Attn: <u>Jeff Broom</u>																			
Phone #: (575) 264-9884 Fax #:				Address: <u>4801 Bus Park Blvd</u>																			
Project #: <u>17123</u> Project Owner: <u>Newbourn</u>				City: <u>Hobbs</u>																			
Project Name: <u>SAMSONITE 3.4 B2 NM Fed Com 1 H</u>				State: <u>NM</u> Zip:																			
Project Location: <u>Rural Loco Hills N.M.</u>				Phone #:																			
Sampler Name: <u>Dominic Casarez</u>				Fax #:																			
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME									
<u>H225830</u>																							
<u>DC</u>	<u>1 FL 69 @ 4</u>					✓							<u>12 9</u>	<u>3 37</u>	✓	✓	✓						
<u>2</u>	<u>FL 70 @ 4</u>																						
<u>3</u>	<u>FL 71 @ 4</u>																						
<u>4</u>	<u>FL 72 @ 4</u>																						
<u>5</u>	<u>FL 73 @ 4</u>																						
<u>6</u>	<u>FL 74 @ 4</u>																						
<u>7</u>	<u>FL 75 @ 4</u>																						
<u>8</u>	<u>FL 76 @ 4</u>																						
<u>9</u>	<u>EW 7</u>																						
<u>10</u>	<u>WW 5</u>																						

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Relinquished By: <u>Dom (A)</u>	Date: <u>12 9</u>	Received By: <u>Amara Olatunji</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>3 37</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	#113	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	<u>20.4°C / 19.8°C</u>	Cool Intact	<u>VS</u>	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Please email results and copy of CoC to pm@etechenv.com.

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

December 15, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/12/22 15:31.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/12/2022
 Reported: 12/15/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 77 @ 4 (H225850-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2022	ND	2.22	111	2.00	1.83	
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.26	113	2.00	3.09	
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.83	114	6.00	3.12	
Total BTX	<0.300	0.300	12/13/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	12/13/2022	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	12/13/2022	ND	199	99.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	217	108	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/12/2022
 Reported: 12/15/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 78 @ 4 (H225850-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.22	111	2.00	1.83		
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.89		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.26	113	2.00	3.09		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.83	114	6.00	3.12		
Total BTEx	<0.300	0.300	12/13/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	12/13/2022	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	12/13/2022	ND	199	99.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	217	108	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 92.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/12/2022
 Reported: 12/15/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 79 @ 4 (H225850-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.22	111	2.00	1.83		
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.89		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.26	113	2.00	3.09		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.83	114	6.00	3.12		
Total BTEx	<0.300	0.300	12/13/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	12/13/2022	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	12/13/2022	ND	199	99.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	217	108	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/12/2022
 Reported: 12/15/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 80 @ 4 (H225850-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.22	111	2.00	1.83		
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.89		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.26	113	2.00	3.09		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.83	114	6.00	3.12		
Total BTEx	<0.300	0.300	12/13/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/13/2022	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	12/13/2022	ND	199	99.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	217	108	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/12/2022
 Reported: 12/15/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 5 (H225850-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.22	111	2.00	1.83		
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.89		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.26	113	2.00	3.09		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.83	114	6.00	3.12		
Total BTEx	<0.300	0.300	12/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/13/2022	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	12/13/2022	ND	199	99.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	217	108	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/12/2022
 Reported: 12/15/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 8 (H225850-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2022	ND	2.22	111	2.00	1.83	
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.26	113	2.00	3.09	
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.83	114	6.00	3.12	
Total BTEX	<0.300	0.300	12/13/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/13/2022	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	12/13/2022	ND	199	99.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	217	108	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 99.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/12/2022
 Reported: 12/15/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 6 (H225850-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2022	ND	2.22	111	2.00	1.83	
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.26	113	2.00	3.09	
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.83	114	6.00	3.12	
Total BTEx	<0.300	0.300	12/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/13/2022	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	12/13/2022	ND	199	99.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	217	108	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/12/2022
 Reported: 12/15/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 8 (H225850-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2022	ND	2.22	111	2.00	1.83		
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.89		
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.26	113	2.00	3.09		
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.83	114	6.00	3.12		
Total BTEx	<0.300	0.300	12/13/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/13/2022	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	12/13/2022	ND	199	99.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	217	108	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: <u>Lane Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 W Marland				Company: <u>Mewbourn</u>																							
City: Hobbs		State: NM		Zip: 88240		Attn: <u>Jeff Broom</u>																					
Phone #: (575) 264-9884		Fax #:		Address: <u>4801 Bus Park Blvd</u>																							
Project #: <u>17123</u>		Project Owner: <u>Mewbourn</u>		City: <u>Hobbs</u>																							
Project Name: <u>Summit 3-4 B2NM Fed com 1 H</u>				State: <u>NM</u> Zip:																							
Project Location: <u>Rural Loco Hills</u>				Phone #:																							
Sampler Name: <u>Dominic Casarez</u>				Fax #:																							
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
<u>H225850</u>																											
<u>DC1</u>	<u>FL 77 @ 4</u>												<u>12 12</u>	<u>3:31</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
<u>2</u>	<u>FL 78 @ 4</u>																										
<u>3</u>	<u>FL 79 @ 4</u>																										
<u>4</u>	<u>FL 80 @ 4</u>																										
<u>5</u>	<u>NWS</u>																										
<u>6</u>	<u>SW8</u>																										
<u>7</u>	<u>WW6</u>																										
<u>8</u>	<u>EW8</u>																										
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																											
Relinquished By: <u>[Signature]</u>				Date: <u>12 12</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:													
				Time: <u>3:31</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:													
Relinquished By:				Date:		Received By:				REMARKS:																	
				Time:																							
Delivered By: (Circle One) <u>23.4JC-0.0c</u>				Sample Condition		CHECKED BY: <u>[Signature]</u>				Please email results and copy of CoC to pm@etechenv.com.																	
Sampler - UPS - Bus - Other: <u>23.8c #113</u>				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																							

FORM-006
Revision 1.0

↑ Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

December 16, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/13/22 16:18.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: FL 81 @ 4 (H225881-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTX	<0.300	0.300	12/15/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	12/15/2022	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	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/13/2022
 Reported: 12/16/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 82 @ 4 (H225881-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	12/15/2022	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	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/13/2022
 Reported: 12/16/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 83 @ 4 (H225881-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	12/15/2022	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/13/2022
 Reported: 12/16/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 84 @ 4 (H225881-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	12/15/2022	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	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/13/2022
 Reported: 12/16/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 85 @ 4 (H225881-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTX	<0.300	0.300	12/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	12/15/2022	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	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/13/2022
 Reported: 12/16/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 86 @ 4 (H225881-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	12/15/2022	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	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/13/2022
 Reported: 12/16/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW 9 (H225881-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEx	<0.300	0.300	12/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/15/2022	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	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 87.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.4 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/13/2022
 Reported: 12/16/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: NW 6 (H225881-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEx	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/15/2022	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	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.2 % 46.3-178

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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 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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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																																																																																																																																																																																																																																								
Project Manager: <u>Lance Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																																																																																																																																																																																																																																								
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City: Hobbs		State: NM Zip: 88240		Attn: <u>Jeff Broom</u>																																																																																																																																																																																																																																																												
Phone #: (575) 264-9884		Fax #:		Address: <u>4801 Bis Park Blvd</u>																																																																																																																																																																																																																																																												
Project #: <u>17123</u>		Project Owner: <u>Mewbourn</u>		City: <u>Hobbs</u>																																																																																																																																																																																																																																																												
Project Name: <u>Samsonite 3-4 B2NM Fed Com 1H</u>				State: <u>NM</u> Zip:																																																																																																																																																																																																																																																												
Project Location: <u>Rural Loco Hills</u>				Phone #:																																																																																																																																																																																																																																																												
Sampler Name: <u>Dominic Casarez</u>				Fax #:																																																																																																																																																																																																																																																												
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th colspan="3">PRESERV.</th> <th colspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> <th rowspan="2">Chloride</th> <th rowspan="2">TPH (8015M)</th> <th rowspan="2">BTEX (8021B)</th> </tr> <tr> <th></th> <th></th> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td><u>H225881</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>DC</u></td> <td><u>1</u></td> <td><u>FL 81 @ 4</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><u>2</u></td> <td><u>FL 82 @ 4</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><u>3</u></td> <td><u>FL 83 @ 4</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><u>4</u></td> <td><u>FL 84 @ 4</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><u>5</u></td> <td><u>FL 85 @ 4</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><u>6</u></td> <td><u>FL 86 @ 4</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><u>7</u></td> <td><u>SW9</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><u>8</u></td> <td><u>NW6</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)			GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER			<u>H225881</u>																							<u>DC</u>	<u>1</u>	<u>FL 81 @ 4</u>																						<u>2</u>	<u>FL 82 @ 4</u>																						<u>3</u>	<u>FL 83 @ 4</u>																						<u>4</u>	<u>FL 84 @ 4</u>																						<u>5</u>	<u>FL 85 @ 4</u>																						<u>6</u>	<u>FL 86 @ 4</u>																						<u>7</u>	<u>SW9</u>																						<u>8</u>	<u>NW6</u>																				
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FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

December 20, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/14/22 16:19.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 87 @ 4 (H225912-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.05	102	2.00	2.99	
Toluene*	<0.050	0.050	12/17/2022	ND	2.04	102	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.03	102	2.00	2.80	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.25	104	6.00	2.87	
Total BTX	<0.300	0.300	12/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1580	16.0	12/16/2022	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	12/16/2022	ND	202	101	200	8.71	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	188	94.1	200	8.05	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 88 @ 4 (H225912-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2022	ND	2.05	102	2.00	2.99		
Toluene*	<0.050	0.050	12/17/2022	ND	2.04	102	2.00	3.06		
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.03	102	2.00	2.80		
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.25	104	6.00	2.87		
Total BTEx	<0.300	0.300	12/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	12/16/2022	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	12/16/2022	ND	202	101	200	8.71	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	188	94.1	200	8.05	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 89 @ 4 (H225912-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.05	102	2.00	2.99	
Toluene*	<0.050	0.050	12/17/2022	ND	2.04	102	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.03	102	2.00	2.80	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.25	104	6.00	2.87	
Total BTEx	<0.300	0.300	12/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	12/16/2022	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	12/16/2022	ND	202	101	200	8.71	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	188	94.1	200	8.05	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.1 % 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: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 90 @ 4 (H225912-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.06	103	2.00	1.59	
Toluene*	<0.050	0.050	12/17/2022	ND	2.15	107	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.17	108	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.48	108	6.00	0.585	
Total BTEx	<0.300	0.300	12/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	12/16/2022	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	12/16/2022	ND	202	101	200	8.71	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	188	94.1	200	8.05	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 91 @ 4 (H225912-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.06	103	2.00	1.59	
Toluene*	<0.050	0.050	12/17/2022	ND	2.15	107	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.17	108	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.48	108	6.00	0.585	
Total BTEX	<0.300	0.300	12/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	12/16/2022	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	12/16/2022	ND	202	101	200	8.71	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	188	94.1	200	8.05	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Analytical Results For:

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

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 92 @ 4 (H225912-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.06	103	2.00	1.59	
Toluene*	<0.050	0.050	12/17/2022	ND	2.15	107	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.17	108	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.48	108	6.00	0.585	
Total BTEX	<0.300	0.300	12/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	12/16/2022	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	12/16/2022	ND	202	101	200	8.71	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	188	94.1	200	8.05	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.7 % 46.3-178

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Analytical Results For:

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

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 7 (H225912-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.06	103	2.00	1.59	
Toluene*	<0.050	0.050	12/17/2022	ND	2.15	107	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.17	108	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.48	108	6.00	0.585	
Total BTEx	<0.300	0.300	12/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/16/2022	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	12/16/2022	ND	202	101	200	8.71	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	188	94.1	200	8.05	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.5 % 46.3-178

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 HOBBS NM, 88240
 Fax To:

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 7 (H225912-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.06	103	2.00	1.59	
Toluene*	<0.050	0.050	12/17/2022	ND	2.15	107	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.17	108	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.48	108	6.00	0.585	
Total BTEX	<0.300	0.300	12/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/16/2022	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	12/17/2022	ND	202	101	200	8.71	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	188	94.1	200	8.05	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.2 % 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: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 8 (H225912-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.06	103	2.00	1.59	
Toluene*	<0.050	0.050	12/17/2022	ND	2.15	107	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.17	108	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.48	108	6.00	0.585	
Total BTEx	<0.300	0.300	12/17/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/16/2022	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	12/17/2022	ND	203	102	200	0.878	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	186	93.2	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.7 % 46.3-178

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Analytical Results For:

Etech Environmental & Safety Solutions
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 HOBBS NM, 88240
 Fax To:

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 10 (H225912-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.06	103	2.00	1.59	
Toluene*	<0.050	0.050	12/17/2022	ND	2.15	107	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.17	108	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.48	108	6.00	0.585	
Total BTEx	<0.300	0.300	12/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/16/2022	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	12/17/2022	ND	203	102	200	0.878	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	186	93.2	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.1 % 46.3-178

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 55 @ 5 (H225912-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5760	16.0	12/16/2022	ND	416	104	400	3.77		

Sample ID: FL 58 @ 5 (H225912-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	12/16/2022	ND	416	104	400	3.77		

Sample ID: FL 60 @ 5 (H225912-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	12/16/2022	ND	416	104	400	3.77		

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Analytical Results For:

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

Received: 12/14/2022
 Reported: 12/20/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 9 (H225912-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2022	ND	2.06	103	2.00	1.59	
Toluene*	<0.050	0.050	12/17/2022	ND	2.15	107	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/17/2022	ND	2.17	108	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/17/2022	ND	6.48	108	6.00	0.585	
Total BTEx	<0.300	0.300	12/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/16/2022	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	12/17/2022	ND	203	102	200	0.878	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	186	93.2	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of 16

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Lane Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																							
Address: 2617 W Marland				Company Mewbourn																											
City: Hobbs		State: NM		Zip: 88240		Attn: Jeff Broom																									
Phone #: (575) 264-9884		Fax #:		Address: 4801 Bvs park Blvd																											
Project #: 17123		Project Owner: Mewbourn		City: Hobbs																											
Project Name: Samsonite 3-4 B2Nm Fed Com 1H		State: NM		Zip:																											
Project Location: Rural Loco Hills NM.				Phone #:																											
Sampler Name: Dominick Casarez				Fax #:																											
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																							
Lab I.D.		Sample I.D.		GIRAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME			
H225912																															
DC 1		FL87 @ 4																													
2		FL88 @ 4																													
3		FL89 @ 4																													
4		FL90 @ 4																													
5		FL91 @ 4																													
6		FL92 @ 4																													
7		NWT																													
8		WW1																													
9		WW8																													
10		SW10																													
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																															
Relinquished By: <i>[Signature]</i>				Date: 12/14		Received By: <i>[Signature]</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																	
				Time: 4:19						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																	
Relinquished By:				Date:		Received By:				REMARKS:																					
				Time:																											
Delivered By: (Circle One) 18.8i C.O.U.i				Sample Condition Cool intact				CHECKED BY: (Initials) <i>[Signature]</i>																							
Sampler - UPS - Bus - Other: 18.2i #113				<input type="checkbox"/> Yes <input type="checkbox"/> No																											

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Please email results and copy of CoC to pm@etechenv.com.



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 16 of 16

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: <u>Lane Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>													
Address: 2617 W Marland				Company: <u>Mewbourn</u>																	
City: Hobbs		State: NM		Zip: 88240		Attn: <u>Jeff Broom</u>															
Phone #: (575) 264-9884		Fax #:		Address: <u>4801 Bus park Blvd</u>																	
Project #: <u>17123</u>		Project Owner: <u>Mewbourn</u>		City: <u>Hobbs</u>																	
Project Name: <u>Samsonite 3-4 B2NM Fed Com 1H</u>				State: <u>NM</u> Zip:																	
Project Location: <u>Rural Loco hills N.M.</u>				Phone #:																	
Sampler Name: <u>Dominic Casarez</u>				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING							
								GROUNDWATER													
								WASTEWATER													
								SOIL													
								SLUDGE													
								OTHER:													
								ACID/BASE:													
								ICE / COOL													
								OTHER:													
								DATE				TIME									
<u>H235912</u>																					
<u>DC 11</u>		<u>FL55@5</u>										<u>12/14</u>		<u>4:19</u>							
<u>12</u>		<u>FL58@5</u>										<u>12/14</u>									
<u>13</u>		<u>FL60@5</u>										<u>12/14</u>									
<u>14</u>		<u>EW9</u>						<u>✓</u>				<u>12/14</u>		<u>✓✓✓</u>							
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																					
Relinquished By: <u>[Signature]</u>				Date: <u>12/14</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:									
				Time: <u>4:19</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:									
Relinquished By:				Date:		Received By:				REMARKS:											
				Time:						Please email results and copy of CoC to pm@etechenv.com.											
Delivered By: (Circle One) <u>R.S. C.O.U.</u>																					
Sampler - UPS - Bus - Other: <u>18.2: #113</u>						Sample Condition				CHECKED BY: (Initials)											
						Cool Intact				<u>[Signature]</u>											
						<input type="checkbox"/> Yes <input type="checkbox"/> No															

FORM-006
Revision 1.0

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

December 21, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/15/22 16:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 93 @ 4 (H225946-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.14	107	2.00	3.86	
Toluene*	0.079	0.050	12/21/2022	ND	2.31	115	2.00	4.39	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.27	113	2.00	3.23	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.94	116	6.00	2.04	
Total BTX	<0.300	0.300	12/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	2600	16.0	12/19/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	213	106	200	5.10	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	187	93.3	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.3 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 94 @ 4 (H225946-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.14	107	2.00	3.86		
Toluene*	0.061	0.050	12/20/2022	ND	2.31	115	2.00	4.39		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.27	113	2.00	3.23		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	2.04		
Total BTEx	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1330	16.0	12/19/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	213	106	200	5.10	
DRO >C10-C28*	17.6	10.0	12/20/2022	ND	187	93.3	200	3.36	
EXT DRO >C28-C36	15.4	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 95 @ 4 (H225946-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.14	107	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2022	ND	2.31	115	2.00	4.39		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.27	113	2.00	3.23		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	2.04		
Total BTX	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	12/19/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	213	106	200	5.10	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	187	93.3	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 96 @ 4 (H225946-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.14	107	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2022	ND	2.31	115	2.00	4.39		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.27	113	2.00	3.23		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	2.04		
Total BTEx	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	12/19/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	213	106	200	5.10	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	187	93.3	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.9 % 46.3-178

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 97 @ 4 (H225946-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.14	107	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2022	ND	2.31	115	2.00	4.39		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.27	113	2.00	3.23		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	2.04		
Total BTEX	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	12/19/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	213	106	200	5.10	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	187	93.3	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.8 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 98 @ 4 (H225946-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.14	107	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2022	ND	2.31	115	2.00	4.39		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.27	113	2.00	3.23		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	2.04		
Total BTX	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/19/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	213	106	200	5.10	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	187	93.3	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 99 @ 4 (H225946-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.14	107	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2022	ND	2.31	115	2.00	4.39		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.27	113	2.00	3.23		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	2.04		
Total BTEX	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/19/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	213	106	200	5.10	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	187	93.3	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 9 (H225946-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2022	ND	2.14	107	2.00	3.86	
Toluene*	<0.050	0.050	12/20/2022	ND	2.31	115	2.00	4.39	
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.27	113	2.00	3.23	
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	2.04	
Total BTEX	<0.300	0.300	12/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/19/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	213	106	200	5.10	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	187	93.3	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 75.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 10 (H225946-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.14	107	2.00	3.86		
Toluene*	<0.050	0.050	12/20/2022	ND	2.31	115	2.00	4.39		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.27	113	2.00	3.23		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	2.04		
Total BTX	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/19/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	213	106	200	5.10	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	187	93.3	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/21/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 9 (H225946-10)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2022	ND	2.14	107	2.00	3.86	
Toluene*	<0.050	0.050	12/20/2022	ND	2.31	115	2.00	4.39	
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.27	113	2.00	3.23	
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	2.04	
Total BTX	<0.300	0.300	12/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/19/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	209	105	200	1.68	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	178	89.2	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																	
Project Manager: <u>Lane Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																	
Address: 2617 W Marland				Company: <u>Mawborn</u>																																					
City: Hobbs State: NM Zip: 88240				Attn: <u>Jeff Brown</u>																																					
Phone #: (575) 264-9884 Fax #:				Address: <u>4801 Bus Park Blvd</u>																																					
Project #: <u>17123</u> Project Owner: <u>Mawborn</u>				City: <u>Hobbs</u>																																					
Project Name: <u>Samsonite 3-4 B2NM fed Com 1 H</u>				State: <u>NM</u> Zip: <u>1</u>																																					
Project Location: <u>Rural Loco Hills NM</u>				Phone #:																																					
Sampler Name: <u>Domidil Casarez</u>				Fax #:																																					
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING																													
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
H225946		DC		1 FL 93 @ 4																						12/15		4:21		✓ ✓ ✓											
				2 FL 94 @ 4																																					
				3 FL 95 @ 4																																					
				4 FL 96 @ 4																																					
				5 FL 97 @ 4																																					
				6 FL 98 @ 4																																					
				7 FL 99 @ 4																																					
				8 WW 9																																					
				9 WW 10																																					
				10 EW 9																																					
<p><small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small></p>																																									
Relinquished By: <u>[Signature]</u>						Date: <u>12/15</u>		Received By: <u>[Signature]</u>						Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:																											
						Time: <u>4:21</u>								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:																											
Relinquished By:						Date:		Received By:						REMARKS:																											
						Time:																																			
Delivered By: (Circle One) <u>20.4: C-0.162</u>						Sample Condition		CHECKED BY: (Initials)						Please email results and copy of CoC to pm@etechenv.com.																											
Sampler - UPS - Bus - Other: <u>P.S. #13</u>						Cool Intact		<u>[Signature]</u>																																	
						<input type="checkbox"/> Yes <input type="checkbox"/> No																																			
						<input type="checkbox"/> Yes <input type="checkbox"/> No																																			

FORM-006
Revision 1.0

↑ Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

December 27, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/19/22 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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/19/2022	Sampling Date:	12/19/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	SAMSONITE 3-4 B2NM FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	17123	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LOCO HILLS		

Sample ID: FL 100 @ 4 (H226007-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.08	104	2.00	9.13	
Toluene*	<0.050	0.050	12/21/2022	ND	2.23	111	2.00	9.26	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.22	111	2.00	9.57	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.89	115	6.00	9.85	
Total BTEx	<0.300	0.300	12/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	12/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 101 @ 4 (H226007-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2022	ND	2.08	104	2.00	9.13		
Toluene*	<0.050	0.050	12/21/2022	ND	2.23	111	2.00	9.26		
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.22	111	2.00	9.57		
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.89	115	6.00	9.85		
Total BTEx	<0.300	0.300	12/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	12/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 102 @ 4 (H226007-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	2.10	105	2.00	9.11		
Toluene*	<0.050	0.050	12/22/2022	ND	2.24	112	2.00	8.20		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.25	112	2.00	9.46		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.94	116	6.00	9.42		
Total BTEx	<0.300	0.300	12/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1890	16.0	12/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 103 @ 4 (H226007-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	2.10	105	2.00	9.11		
Toluene*	<0.050	0.050	12/22/2022	ND	2.24	112	2.00	8.20		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.25	112	2.00	9.46		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.94	116	6.00	9.42		
Total BTEx	<0.300	0.300	12/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2020	16.0	12/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 104 @ 4 (H226007-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	2.10	105	2.00	9.11		
Toluene*	<0.050	0.050	12/22/2022	ND	2.24	112	2.00	8.20		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.25	112	2.00	9.46		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.94	116	6.00	9.42		
Total BTEx	<0.300	0.300	12/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	12/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/19/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 105 @ 4 (H226007-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	2.10	105	2.00	9.11		
Toluene*	<0.050	0.050	12/22/2022	ND	2.24	112	2.00	8.20		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.25	112	2.00	9.46		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.94	116	6.00	9.42		
Total BTX	<0.300	0.300	12/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	12/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 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: 12/19/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: NW 8 (H226007-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	2.10	105	2.00	9.11	
Toluene*	<0.050	0.050	12/22/2022	ND	2.24	112	2.00	8.20	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.25	112	2.00	9.46	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.94	116	6.00	9.42	
Total BTEX	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/21/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.3 % 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: 12/19/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW 11 (H226007-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	2.10	105	2.00	9.11		
Toluene*	<0.050	0.050	12/22/2022	ND	2.24	112	2.00	8.20		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.25	112	2.00	9.46		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.94	116	6.00	9.42		
Total BTEx	<0.300	0.300	12/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.4 % 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: 12/19/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: EW 11 (H226007-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	2.10	105	2.00	9.11	
Toluene*	<0.050	0.050	12/22/2022	ND	2.24	112	2.00	8.20	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.25	112	2.00	9.46	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.94	116	6.00	9.42	
Total BTEx	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 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: 12/19/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WW 11 (H226007-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	2.10	105	2.00	9.11		
Toluene*	<0.050	0.050	12/22/2022	ND	2.24	112	2.00	8.20		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.25	112	2.00	9.46		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.94	116	6.00	9.42		
Total BTEx	<0.300	0.300	12/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/21/2022	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	12/21/2022	ND	187	93.6	200	10.3	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	208	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 98.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 29, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/20/22 16:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 106 @ 4 (H226024-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.04	102	2.00	5.07	
Toluene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	8.15	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.22	111	2.00	7.29	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.70	112	6.00	7.47	
Total BTX	<0.300	0.300	12/21/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	12/21/2022	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	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 107 @ 4 (H226024-02)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2022	ND	2.04	102	2.00	5.07		
Toluene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	8.15		
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.22	111	2.00	7.29		
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.70	112	6.00	7.47		
Total BTX	<0.300	0.300	12/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	12/21/2022	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	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 108 @ 4 (H226024-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.04	102	2.00	5.07	
Toluene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	8.15	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.22	111	2.00	7.29	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.70	112	6.00	7.47	
Total BTEX	<0.300	0.300	12/21/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	12/21/2022	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	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 109 @ 4 (H226024-04)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.04	102	2.00	5.07	
Toluene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	8.15	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.22	111	2.00	7.29	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.70	112	6.00	7.47	
Total BTEX	<0.300	0.300	12/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1440	16.0	12/21/2022	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	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 85.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 110 @ 4 (H226024-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	2.04	102	2.00	5.07	
Toluene*	<0.050	0.050	12/22/2022	ND	2.20	110	2.00	8.15	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.22	111	2.00	7.29	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.70	112	6.00	7.47	
Total BTEX	<0.300	0.300	12/22/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/21/2022	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	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 76.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 111 @ 4 (H226024-06)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	2.04	102	2.00	5.07	
Toluene*	<0.050	0.050	12/22/2022	ND	2.20	110	2.00	8.15	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.22	111	2.00	7.29	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.70	112	6.00	7.47	
Total BTEX	<0.300	0.300	12/22/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	12/21/2022	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	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 112 @ 4 (H226024-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	2.04	102	2.00	5.07		
Toluene*	<0.050	0.050	12/22/2022	ND	2.20	110	2.00	8.15		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.22	111	2.00	7.29		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.70	112	6.00	7.47		
Total BTEx	<0.300	0.300	12/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	12/21/2022	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	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 12 (H226024-08)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	2.13	107	2.00	3.93	
Toluene*	<0.050	0.050	12/22/2022	ND	2.20	110	2.00	3.92	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.23	111	2.00	4.01	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.74	112	6.00	4.10	
Total BTEX	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	12/21/2022	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	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 12 (H226024-09)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	2.13	107	2.00	3.93	
Toluene*	<0.050	0.050	12/22/2022	ND	2.20	110	2.00	3.92	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.23	111	2.00	4.01	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.74	112	6.00	4.10	
Total BTEx	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/20/2022
 Reported: 12/29/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 12 (H226024-10)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2022	ND	2.13	107	2.00	3.93	
Toluene*	0.540	0.050	12/28/2022	ND	2.20	110	2.00	3.92	
Ethylbenzene*	0.079	0.050	12/28/2022	ND	2.23	111	2.00	4.01	
Total Xylenes*	0.524	0.150	12/28/2022	ND	6.74	112	6.00	4.10	GC-NC1
Total BTEX	1.14	0.300	12/28/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/21/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	164	81.9	200	1.44	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	163	81.3	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Lane Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																							
Address: 2617 W Marland				Company: Mewbourn																											
City: Hobbs State: NM Zip: 88240				Attn: Jeff Broom																											
Phone #: (575) 264-9884 Fax #:				Address: 4801 Bus Park Blvd																											
Project #: 17123 Project Owner: Mewbourn				City: Hobbs																											
Project Name: Samsonite 34 B2NM Fed Cam 1H				State: NM Zip:																											
Project Location: Rural Loco Hills NM.				Phone #:																											
Sampler Name: Dominic Casarez				Fax #:																											
FOR LAB USE ONLY				MATRIX				PRESERV.				SAMPLING																			
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE		ICE / COOL		OTHER:		DATE		TIME			
1226024																															
DC1		FL106 @ 4																								12 20		4 25			
2		FL107 @ 4																													
3		FL108 @ 4																													
4		FL109 @ 4																													
5		FL110 @ 4																													
6		FL111 @ 4																													
7		FL112 @ 4																													
8		WW12																													
9		SW12																													
10		EW12																													

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Relinquished By:		Date:		Received By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:	
[Signature]		12 20		[Signature]		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No					
Relinquished By:		Time:		Received By:		REMARKS:							
		4 25											
Relinquished By:		Date:		Received By:									
		Time:											
Delivered By: (Circle One)		19.8.1 C-O-U:		Sample Condition		CHECKED BY:							
Sampler - UPS - Bus - Other:		A.2: #113		Cool Intact		(Initials)							
				<input type="checkbox"/> Yes <input type="checkbox"/> No		[Signature]							
				<input type="checkbox"/> Yes <input type="checkbox"/> No									

Please email results and copy of CoC to pm@etechenv.com.



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

December 27, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/21/22 15:31.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/21/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 113 @ 4 (H226037-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31		
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94		
Total BTEx	<0.300	0.300	12/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	400	16.0	12/22/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	199	99.7	200	4.06	
DRO >C10-C28*	<10.0	10.0	12/22/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane 72.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/21/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 114 @ 4 (H226037-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31		
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94		
Total BTEx	<0.300	0.300	12/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/22/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	199	99.7	200	4.06	
DRO >C10-C28*	<10.0	10.0	12/22/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane 72.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/21/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/21/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 115 @ 4 (H226037-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31	
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94	
Total BTEx	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	12/22/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	199	99.7	200	4.06	
DRO >C10-C28*	<10.0	10.0	12/22/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane 72.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/21/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 13 (H226037-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31		
Toluene*	0.088	0.050	12/22/2022	ND	2.15	107	2.00	3.94		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94		
Total BTEx	<0.300	0.300	12/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/22/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	199	99.7	200	4.06	
DRO >C10-C28*	<10.0	10.0	12/22/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane 71.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.8 % 46.3-178

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/21/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 14 (H226037-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31		
Toluene*	0.111	0.050	12/22/2022	ND	2.15	107	2.00	3.94		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94		
Total BTEx	<0.300	0.300	12/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/22/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	199	99.7	200	4.06	
DRO >C10-C28*	<10.0	10.0	12/22/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane 71.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2022
 Reported: 12/27/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/21/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 9 (H226037-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31	
Toluene*	0.097	0.050	12/22/2022	ND	2.15	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94	
Total BTEX	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	12/22/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	211	106	200	3.50	
DRO >C10-C28*	<10.0	10.0	12/22/2022	ND	227	113	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.2 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 9 of 9

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: <u>Lanc Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																		
Address: 2617 W Marland				Company: <u>Mewbourn</u>																						
City: Hobbs		State: NM		Zip: 88240		Attn: <u>Jeff Broom</u>																				
Phone #: (575) 264-9884		Fax #:		Address: <u>4801 Bus Park Blvd</u>																						
Project #: <u>17123</u>		Project Owner: <u>Mewbourn</u>		City: <u>Hobbs</u>																						
Project Name: <u>Samsonite 3-4 B2NM Fed Cornlk</u>				State: <u>TX</u> Zip:																						
Project Location: <u>Rural Loco Hills NM</u>				Phone #:																						
Sampler Name: <u>Dominic Casarez</u>				Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME												
<u>H226037</u>																										
DC	1 FL113@4												12 21													
	2 FL114@4																									
	3 FL115@4																									
	4 EW 13																									
	5 EW 14																									
	6 NW 9																									
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																										
Relinquished By: <u>[Signature]</u>		Date: <u>12 21</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																		
		Time: <u>1531</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																		
Relinquished By:		Date:		Received By:		REMARKS:																				
		Time:																								
Delivered By: (Circle One) <u>1871 C-O-U</u>				Sample Condition				CHECKED BY: (Initials)				Please email results and copy of CoC to pm@etechenv.com.														
Sampler - UPS - Bus - Other: <u>18.1: #113</u>				Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<u>[Signature]</u>																		

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

December 30, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/28/22 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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/28/2022
 Reported: 12/30/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 10 (H226093-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/29/2022	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	12/29/2022	ND	2.22	111	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/29/2022	ND	2.14	107	2.00	2.50	
Total Xylenes*	<0.150	0.150	12/29/2022	ND	6.57	109	6.00	2.79	
Total BTX	<0.300	0.300	12/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/29/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2022	ND	218	109	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/29/2022	ND	237	118	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	12/29/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/28/2022
 Reported: 12/30/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 116 @ 4' (H226093-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/29/2022	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	12/29/2022	ND	2.22	111	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/29/2022	ND	2.14	107	2.00	2.50	
Total Xylenes*	<0.150	0.150	12/29/2022	ND	6.57	109	6.00	2.79	
Total BTEX	<0.300	0.300	12/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4930	16.0	12/29/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2022	ND	218	109	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/29/2022	ND	237	118	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	12/29/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/28/2022
 Reported: 12/30/2022
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 117 @ 4' (H226093-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/30/2022	ND	1.99	99.4	2.00	7.55		
Toluene*	<0.050	0.050	12/30/2022	ND	2.09	104	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/30/2022	ND	2.02	101	2.00	11.3		
Total Xylenes*	<0.150	0.150	12/30/2022	ND	6.21	104	6.00	10.9		
Total BTEx	<0.300	0.300	12/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	12/29/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2022	ND	218	109	200	2.88	
DRO >C10-C28*	<10.0	10.0	12/29/2022	ND	237	118	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	12/29/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

January 05, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SAMSONITE 3-4 B2NM FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/30/22 16:27.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/30/2022
 Reported: 01/05/2023
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 13 (H226127-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2023	ND	2.01	100	2.00	1.09		
Toluene*	<0.050	0.050	01/04/2023	ND	2.09	105	2.00	4.38		
Ethylbenzene*	<0.050	0.050	01/04/2023	ND	1.99	99.3	2.00	7.90		
Total Xylenes*	<0.150	0.150	01/04/2023	ND	6.04	101	6.00	10.2		
Total BTX	<0.300	0.300	01/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2023	ND	205	103	200	3.65	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	98.0	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.1 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/30/2022
 Reported: 01/05/2023
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 15 (H226127-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2023	ND	2.01	100	2.00	1.09	
Toluene*	<0.050	0.050	01/04/2023	ND	2.09	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	01/04/2023	ND	1.99	99.3	2.00	7.90	
Total Xylenes*	<0.150	0.150	01/04/2023	ND	6.04	101	6.00	10.2	
Total BTX	<0.300	0.300	01/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2023	ND	205	103	200	3.65	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	98.0	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/30/2022
 Reported: 01/05/2023
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 118 @ 4 (H226127-03)

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	01/04/2023	ND	2.01	100	2.00	1.09		
Toluene*	<0.050	0.050	01/04/2023	ND	2.09	105	2.00	4.38		
Ethylbenzene*	<0.050	0.050	01/04/2023	ND	1.99	99.3	2.00	7.90		
Total Xylenes*	<0.150	0.150	01/04/2023	ND	6.04	101	6.00	10.2		
Total BTEx	<0.300	0.300	01/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	01/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2023	ND	205	103	200	3.65	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	98.0	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/30/2022
 Reported: 01/05/2023
 Project Name: SAMSONITE 3-4 B2NM FED COM 1H
 Project Number: 17123
 Project Location: MEWBOURNE - LOCO HILLS

Sampling Date: 12/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 119 @ 4 (H226127-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2023	ND	2.01	100	2.00	1.09	
Toluene*	<0.050	0.050	01/04/2023	ND	2.09	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	01/04/2023	ND	1.99	99.3	2.00	7.90	
Total Xylenes*	<0.150	0.150	01/04/2023	ND	6.04	101	6.00	10.2	
Total BTX	<0.300	0.300	01/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	01/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2023	ND	205	103	200	3.65	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	98.0	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

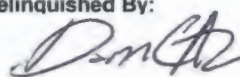
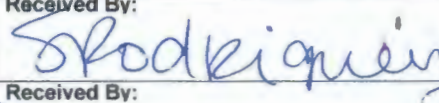
101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: <u>Lane Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: 2617 W Marland				Company: <u>Mewbourn</u>																									
City: Hobbs		State: NM		Zip: 88240		Attn: <u>Jeff Broom</u>																							
Phone #: (575) 264-9884		Fax #:		Address: <u>4801 Bus Park Blvd</u>		City: <u>Hobbs</u>																							
Project #: <u>17123</u>		Project Owner: <u>Mewbourn</u>		City: <u>Hobbs</u>		State: <u>NM</u> Zip: <u></u>																							
Project Name: <u>Samsonite 3-4 B2NM Fed Com 1H</u>				Phone #:																									
Project Location: <u>Rural Loco Hills</u>				Fax #:																									
Sampler Name: <u>Dominic Casarez</u>																													
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																	
								GROUNDWATER																					
								WASTEWATER																					
								SOIL																					
								SLUDGE																					
								OTHER:																					
								ACID/BASE:																					
								ICE / COOL																					
								OTHER:																					
												DATE		TIME															
<u>H220127</u>																													
<u>DL1</u>		<u>SW13</u>												<u>12-30</u>															
<u>2</u>		<u>EW15</u>												<u>↓</u>															
<u>3</u>		<u>FL118@4</u>																											
<u>4</u>		<u>FL119@4</u>																											

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Relinquished By:	Date: <u>12-30</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>12:27</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <u>12/30/22</u>	Received By:	REMARKS:	
	Time: <u>11:27</u>			
Delivered By: (Circle One) <u>2166/C.O.U.</u> Sampler - UPS - Bus - Other: <u>2102 #113</u>			Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Checked By: (Initials) <u>SR</u>	

Please email results and copy of CoC to pm@etechenv.com.

Appendix E

Regulatory Correspondence

From: [Lance Crenshaw](#)
To: [Enviro, OCD, EMNRD](#)
Cc: [Ben Arguijo](#); jbroom@mewbourne.com; [Connor Walker](#)
Subject: Notice of excavation confirmation samples
Date: Friday, December 2, 2022 12:07:19 PM

This email serves as notice that Etech intends to collect excavation confirmation soil samples on December 6 through December 8 from the following locations/reportable release sites:

Mewbourne Oil Co – Samsonite 3-4 B2NM Fed Com 1H- napp2233359733

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

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

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

CONDITIONS

Action 185813

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 185813
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2233359733 SAMSONITE SWD LINE, thank you. This closure is approved.	6/14/2023