

Incident ID	nAPP2118435612
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: Albert Ochoa Title: HSE Representative
 Signature: *Albert Ochoa* Date: 11/15/2021
 email: albert.ochoa@goodnightmidstream.com Telephone: (432) 242-6629

OCD Only

Received by: Robert Hamlet Date: 4/22/2022

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

Closure Approved by: *Robert Hamlet* Date: 4/22/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Remediation Summary & Soil Closure Request

Goodnight Midstream Permian, LLC Blueberry SWD 7-2-2021

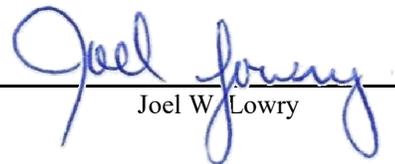
Lea County, New Mexico
Unit Letter "P", Section 24, Township 21 South, Range 33 East
Latitude 32.45911 North, Longitude 103.5196 West
NMOCD Reference No. nAPP2118435612

Prepared By:

Etech Environmental & Safety Solutions, Inc.
2507 79th Street, Unit A
Lubbock, Texas 79423



Ben J. Arguijo



Joel W. Lowry



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Goodnight Midstream Permian, LLC, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Blueberry SWD 7-2-2021 (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source				
Latitude: _____		32.45911		Longitude: _____
				-103.5196
Provided GPS are in WGS84 format.				
Site Name: _____		Blueberry SWD 7-2-2021		Site Type: _____
				SWD
Date Release Discovered: _____		7/2/2021		API # (if applicable): _____
				N/A
Unit Letter	Section	Township	Range	County
"P"	24	21S	33E	Lea
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Private (Name _____ Merchant Livestock _____)				
Nature and Volume of Release				
<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	0.3	Volume Recovered (bbls)	0.2
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	263.8	Volume Recovered (bbls)	119.8
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released		Volume/Weight Recovered	
Cause of Release: Equalizing valve between water tanks was left closed, and pressure built up in horizontal gun barrel, causing the water leg to spill over.				
Initial Response				
<input checked="" type="checkbox"/> The source of the release has been stopped.				
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.				
<input checked="" type="checkbox"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices				
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.				

Previously submitted portions of the NMOCD Form C-141 are available on 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 Site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on September 15, 2021, an investigative soil boring/temporary monitor well was drilled at the Site in an effort to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 150 feet below ground surface (bgs) and left open for over 72 hours. A groundwater gauging event conducted on September 20, 2021, indicated the depth to groundwater was approximately 128.8 feet bgs. The location of the investigative soil bore/temporary monitor well is depicted in Figure 2. A drilling log is provided in Appendix B.

What is the shallowest depth to groundwater beneath the area affected by the release?	128.8'		
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 type="checkbox"/> Yes	<input checked="" 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, depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria**†	Reclamation Standard*‡
128.8'	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 REMEDIATION ACTIVITIES SUMMARY

On July 15, 2021, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil within the release margins affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria.

On July 16, 2021, Etech collected eight (8) confirmation soil samples (FL 1 @ 2' through FL 8 @ 2') from the floor of the excavation in the northeast portion of the affected area. The soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable method detection limit (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 11.4 mg/kg in soil sample FL 1 @ 2' to 42.1 mg/kg in soil sample FL 5 @ 2'.

On July 26, 2021, Etech collected 11 confirmation soil samples (FL 9 @ 2' through FL 19 @ 3') from the floor of the excavation in the north central portion of the affected 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL, with the exceptions of soil samples FL 9 @ 2', FL 10 @ 2', and FL 11 @ 2', which exhibited TPH concentrations ranging from 54.0 mg/kg (FL 11 @ 2') to 85.5 mg/kg (FL 9 @ 2'). Chloride concentrations ranged from 14.0 mg/kg in soil sample FL 18 @ 4' to 138 mg/kg in soil sample FL 19 @ 3'.

In addition, Etech collected three (3) confirmation soil samples (NW, NW 2 and EW 1) from the sidewalls of the excavation. 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 40.5 mg/kg in soil sample EW 1 to 124 mg/kg in soil sample NW.

On July 28, 2021, Etech collected 14 confirmation soil samples (FL 20 @ 2' through FL 33 @ 2') from the floor of the excavation in the northern portion of the affected 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 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 25 @ 2', which exhibited a TPH concentration of 84.8 mg/kg. Chloride concentrations ranged from 27.9 mg/kg in soil samples FL 33 @ 2' to 112 mg/kg in soil sample FL 23 @ 2'.

On July 30, 2021, Etech collected 13 confirmation soil samples (FL 34 @ 2' through FL 46 @ 2') from the floor of the excavation in the north central portion of the affected 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 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 FL 35 @ 2', FL 39 @ 2', FL 40 @ 2', FL 43 @ 2', and FL 46 @ 2' to 80.0 mg/kg in soil sample FL 38 @ 2'.

In addition, Etech collected four (4) confirmation soil samples (NW 3, SW 1, SW 3, and WW 2) from the sidewalls of the excavation. 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil samples SW 3 and WW 2 to 208 mg/kg in soil sample NW 3.

On August 2, 2021, Etech collected 10 confirmation soil samples (FL 47 @ 1' through FL 56 @ 1') from the floor of the excavation in the northwest portion of the affected 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil sample FL 48 @ 1' to 64.0 mg/kg in soil sample FL 50 @ 1'.

On August 3, 2021, Etech collected seven (7) confirmation soil samples (FL 57 @ 2' through FL 63 @ 2') from the floor of the excavation in the northwest portion of the affected 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil samples FL 59 @ 2', FL 61 @ 2', FL 62 @ 2', and FL 63 @ 2' to 48.0 mg/kg in soil samples FL 57 @ 2', FL 58 @ 2', and FL 60 @ 2'.

In addition, Etech collected four (4) confirmation soil samples (EW 2, SW 2, SW 4, and WW 1) from the sidewalls of the excavation. 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil sample WW 1 to 176 mg/kg in soil sample SW 4.

On August 5, 2021, Etech collected two (2) confirmation soil samples (SW 5 and WW 3) from the sidewalls of the excavation. 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations were 176 mg/kg in soil sample WW 3 and 208 mg/kg in soil sample SW 5.

On August 9, 2021, Etech collected 21 confirmation soil samples (FL 64 @ 2' through FL 84 @ 2') from the floor of the excavation in the southern portion of the affected 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 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 FL 65 @ 2', FL 68 @ 2', FL 70 @ 2', FL 74 @ 2', FL 76 @ 2', and FL 80 @ 2' to 112 mg/kg in soil samples FL 73 @ 2' and FL79 @ 2'.

In addition, Etech collected one (1) confirmation soil sample (WW 4) from the sidewall of the excavation. The soil sample was 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. BTEX and TPH concentrations were also below the applicable MDL. The chloride concentration was 16.0 mg/kg.

On August 10, 2021, Etech collected nine (9) confirmation soil samples (FL 85 @ 3' through FL 93 @ 3') from the floor of the excavation in the southern portion of the affected 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 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 samples FL 87 @ 3' through FL 91 @ 3' to 96.0 mg/kg in soil sample FL 85 @ 3'.

On August 12, 2021, the excavation was further advanced in the area characterized by soil sample FL 25 @ 2'. Etech collected one (1) confirmation soil sample (FL 25 @ 2.5') from the newly excavated area, as well as 12 confirmation soil samples (FL 94 @ 3' through FL 105 @ 2') from the floor of the excavation in the southern portion of the affected 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 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 samples FL 103 @ 3' and FL 104 @ 3' to 144 mg/kg in soil sample FL 98 @ 3'.

In addition, Etech collected one (1) confirmation soil sample (SW 6) from the sidewall of the excavation. The soil sample was 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. BTEX and TPH concentrations were also below the applicable MDL. The chloride concentration was 64.0 mg/kg.

On August 16, 2021, Etech collected nine (9) confirmation soil samples (FL 106 @ 3' through FL 114 @ 2') from the floor of the excavation in the eastern portion of the affected 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 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 FL 110 @ 3' and FL 114 @ 2' to 144 mg/kg in soil samples FL 106 @ 3' and FL 108 @ 3'.

On August 18, 2021, Etech collected nine (9) confirmation soil samples (FL 115 @ 2' through FL 123 @ 2') from the floor of the excavation in the eastern portion of the affected 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 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 FL 116 @ 2' and FL 121 @ 2' to 304 mg/kg in soil sample FL 123 @ 2'.

In addition, Etech collected seven (7) confirmation soil samples (NW 4, NW 5, NW 6, NW 7, NW 8, EW 3, and EW 7) from the sidewalls of the excavation. 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 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 7 to 16,000 mg/kg in soil sample NW 5.

On August 19, 2021, Etech collected four (4) confirmation soil samples (FL 124 @ 4' through FL 127 @ 4') from the floor of the excavation in the central portion of the affected 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 5,330 mg/kg in soil sample FL 125 @ 4' to 5,760 mg/kg in soil sample FL 124 @ 4'.

In addition, Etech collected six (6) confirmation soil samples (EW 4, EW 5, SW 7, SW 8, WW 5, and WW 7) from the sidewalls of the excavation. 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 144 mg/kg in soil sample EW 4 to 2,560 mg/kg in soil sample EW 5.

On August 20, 2021, Etech collected three (3) confirmation soil samples (FL 128 @ 2', FL 129 @ 2', and FL 130 @ 2') from the floor of the excavation in the central portion of the affected 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations were 32.0 mg/kg in soil samples FL 128 @ 2' and FL 130 @ 2' and 48.0 mg/kg in soil sample FL 129 @ 2'.

On August 24, 2021, the excavation was further advanced in the areas characterized by soil samples NW, FL 9 @ 2', FL 10 @ 2', and FL 11 @ 2'. Etech collected three (3) confirmation soil samples (FL 9 @ 2.5', FL 10 @ 2.5', and FL 11 @ 2.5') from the floor of the newly excavated area, as well as 18 confirmation soil samples (FL 131 @ 13' through FL 148 @ 4') from the floor of the excavation in the central portion of the affected 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the

applicable laboratory MDL, with the exceptions of soil samples FL 143 @ 6' and FL 145 @ 4', which exhibited TPH concentrations of 20.0 mg/kg and 103 mg/kg, respectively. Chloride concentrations ranged from 96.0 mg/kg in soil sample FL 134 @ 4' to 3,040 mg/kg in soil sample FL 140 @ 4'.

In addition, Etech collected one (1) confirmation soil sample (NW 1B) from the sidewall of the newly excavated area. The soil sample was submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated the TPH concentration was below both the NMOCD Closure Criteria and the laboratory MDL.

On August 27, 2021, Etech collected 12 confirmation soil samples (FL 149 @ 4' through FL 160 @ 3') from the floor of the excavation in the eastern portion of the affected 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples FL 157 @ 3', FL 158 @ 3', FL 159 @ 3', and FL 160 @ 3' to 128 mg/kg in soil sample FL 150 @ 4'.

In addition, Etech collected two (2) confirmation soil samples (EW 6 and SW 9) from the sidewalls of the excavation. 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations were 32.0 mg/kg in soil sample EW 6 and 224 mg/kg in soil sample SW 9.

On August 31, 2021, the excavation was further advanced in the area characterized by soil sample FL 145 @ 4'. Etech collected one (1) confirmation soil sample (FL 145 @ 6') from the floor of the newly excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below both the applicable NMOCD Closure Criteria and the applicable laboratory MDL.

In addition, Etech collected one (1) confirmation soil sample (SW 10) from the sidewall of the excavation. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below both the applicable NMOCD Closure Criteria and the applicable laboratory MDL.

On September 1, 2021, the excavation was further advanced in the area characterized by soil sample FL 123 @ 2'. Etech collected one (1) confirmation soil sample (FL 123 @ 4') from the floor of the newly excavated area, as well as one (1) confirmation soil sample (FL 161 @ 4') from the floor of the excavation in the western portion of the affected 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. BTEX and TPH concentrations were also below the applicable MDL. Chloride concentrations were 16.0 mg/kg in soil sample FL 123 @ 4' and 240 mg/kg in soil sample FL 161 @ 4'.

In addition, Etech collected one (1) confirmation soil sample (NW 9) from the sidewall of the excavation. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below both the applicable NMOCD Closure Criteria and the applicable laboratory MDL. The chloride concentration was 32.0 mg/kg.

On September 2, 2021, the excavation was further advanced in the area characterized by soil sample NW 6. Etech collected one (1) confirmation soil sample (NW 6H) from the sidewall of the newly excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria. The TPH concentration was 529 mg/kg, and the chloride concentration was 624 mg/kg.

On September 3, 2021, the excavation was further advanced in the area characterized by soil sample NW 6H. Etech collected two (2) confirmation soil samples (NW 6HB and WW6) from the sidewalls of the excavation. 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable MDL. The chloride concentration was 16.0 mg/kg in both submitted soil samples.

The final dimensions of the excavation were approximately 275 feet in length, 10 to 235 feet in width, and one (1) to 13 feet in depth. During the course of remediation activities, approximately 3,348 cubic yards of impacted soil was transported to an NMOCD-permitted surface waste facility for disposal. Approximately 3,096 cubic yards of locally sourced, non-impacted material was imported to the Site for use as backfill.

Soil sample locations and the extent of the excavation are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and soil profile logs are provided in Appendix B. General photographs of the Site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D.

5.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

The release was limited to the production pad of an active salt water disposal (SWD) facility. 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 and compacted/contoured to meet the needs of the facility. Final remediation, reclamation, and revegetation will be conducted upon decommissioning and abandonment of the SWD.

6.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Goodnight Midstream Permian, LLC, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Site.

7.0 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 reference 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 Goodnight Midstream Permian, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Goodnight Midstream Permian, LLC.

8.0 DISTRIBUTION

Goodnight Midstream Permian, LLC

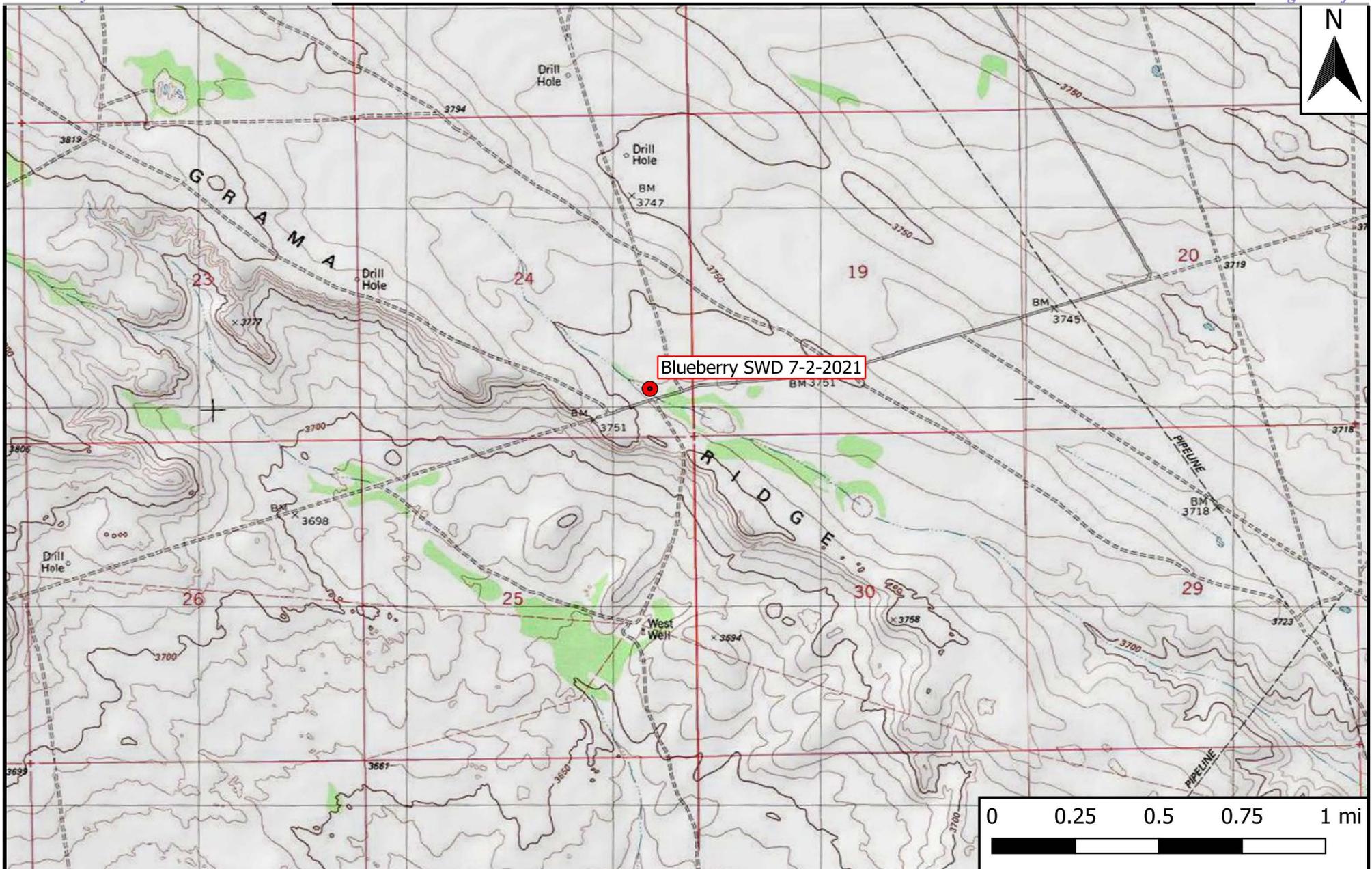
*5910 N Central Expy
Dallas, TX 75206*

New Mexico Energy, Minerals and Natural Resources Department

*Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505*

(Electronic Submission)

Figure 1 Topographic Map



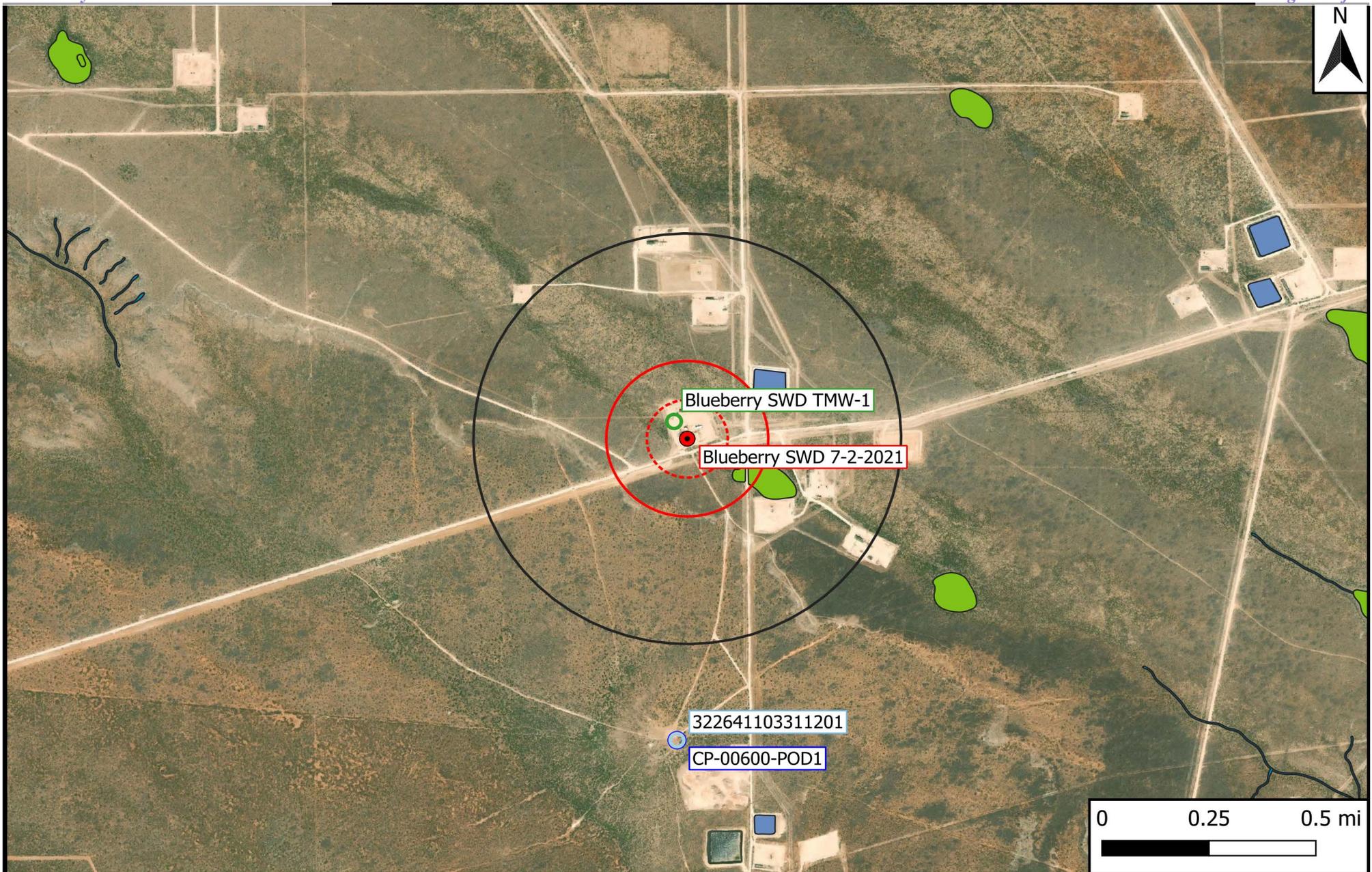
Legend
 ● Site Location

Figure 1
 Topographic Map
 Goodnight Midstream Permian, LLC
 Blueberry SWD 7-2-2021
 GPS: 32.45911, -103.519608
 Lea County



Drafted: bja Checked: jwl Date: 12/16/20

Figure 2 Aerial Proximity Map



Legend		
	Site Location	
	Well - NMOSE	
	Well - USGS	
	Well - Investigative/Monitor	
	Potash Mine Workings	
	1% Annual Flood Chance	
	Emergent/Forested Wetlands	
	Freshwater Pond/Lake	
	Medium/High Karst	
	Riverine	

Figure 2
 Aerial Proximity Map
 Goodnight Midstream Permian, LLC
 Blueberry SWD 7-2-2021
 GPS: 32.45911, -103.519608
 Lea County


Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 11/1/21

Figure 3

Site & Sample Location Map



Legend:

- Excavated Area
- FL #** Composite Floor Sample
- Composite Wall Sample
- Release Area

Figure 3
 Site & Sample Location Map
 Goodnight Midstream Permian, LLC
 Blueberry SWD 7-2-2021
 GPS: 32.45911, -103.5196
 Lea County


ETECH
 Environmental & Safety Solutions, Inc.

Revised: bja
 Checked: jwl Date: 11/10/21

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Goodnight Midstream Permian, LLC Blueberry SWD 7-2-2021 NMOCD Ref. #: nAPP2118435612											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	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)
NW	7/26/2021	0-2	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	119	119	124
NW 1B	8/24/2021	0-2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
NW 2	7/26/2021	0-2	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	41.8
NW 3	7/30/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
NW 4	8/18/2021	0-13	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,800
NW 5	8/18/2021	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16,000
NW 6	8/18/2021	0-2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,330
NW 6H	9/2/2021	0-2	Excavated	<0.050	<0.300	<10.0	340	340	189	529	624
NW 6 HB	9/3/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 7	8/18/2021	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,040
NW 8	8/18/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW 9	9/1/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 1	7/26/2021	0-2	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	40.5
EW 2	8/3/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 3	8/18/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
EW 4	8/19/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
EW 5	8/19/2021	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
EW 6	8/27/2021	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 7	8/18/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 1	7/30/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW 2	8/3/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW 3	7/30/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 4	8/3/2021	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW 5	8/5/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SW 6	8/12/2021	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 7	8/19/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
SW 8	8/19/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
SW 9	8/27/2021	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SW 10	8/31/2021	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 1	8/3/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 2	7/30/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 3	8/5/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
WW 4	8/9/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 5	8/19/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,340
WW 6	9/3/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 7	8/19/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,440
FL 1 @ 2'	7/16/2021	2	In-Situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	11.4
FL 2 @ 2'	7/16/2021	2	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	21.4
FL 3 @ 2'	7/16/2021	2	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	12.0
FL 4 @ 2'	7/16/2021	2	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	18.8
FL 5 @ 2'	7/16/2021	2	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	42.1

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 Goodnight Midstream Permian, LLC Blueberry SWD 7-2-2021 NMOCD Ref. #: nAPP2118435612											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	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 6 @ 2'	7/16/2021	2	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	26.1
FL 7 @ 2'	7/16/2021	2	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	41.9
FL 8 @ 2'	7/16/2021	2	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	22.3
FL 9 @ 2'	7/26/2021	2	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	85.5	85.5	64.6
FL 9 @ 2.5'	8/24/2021	2.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL 10 @ 2'	7/26/2021	2	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	65.4	65.4	51.7
FL 10 @ 2.5'	8/24/2021	2.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL 11 @ 2'	7/26/2021	2	Excavated	<0.00200	<0.00401	<49.9	<49.9	<49.9	54.0	54.0	61.4
FL 11 @ 2.5'	8/24/2021	2.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL 12 @ 2'	7/26/2021	2	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	66.1
FL 13 @ 2'	7/26/2021	2	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	57.9
FL 14 @ 2'	7/26/2021	2	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	37.4
FL 15 @ 2'	7/26/2021	2	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	37.1
FL 16 @ 2'	7/26/2021	2	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	46.2
FL 17 @ 4'	7/26/2021	4	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	16.9
FL 18 @ 4'	7/26/2021	4	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	14.0
FL 19 @ 3'	7/26/2021	3	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	138
FL 20 @ 2'	7/28/2021	2	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	106
FL 21 @ 2'	7/28/2021	2	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	50.8
FL 22 @ 2'	7/28/2021	2	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	58.7
FL 23 @ 2'	7/28/2021	2	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	112
FL 24 @ 2'	7/28/2021	2	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	51.0
FL 25 @ 2'	7/28/2021	2	Excavated	<0.00200	<0.00400	84.8	<49.9	84.8	<49.9	84.8	47.1
FL 25 @ 2.5'	8/12/2021	2.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL 26 @ 2'	7/28/2021	2	In-Situ	0.00238	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	45.0
FL 27 @ 2'	7/28/2021	2	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	49.2
FL 28 @ 2'	7/28/2021	2	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	48.0
FL 29 @ 2'	7/28/2021	2	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	48.5
FL 30 @ 2'	7/28/2021	2	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	29.0
FL 31 @ 2'	7/28/2021	2	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	29.1
FL 32 @ 2'	7/28/2021	2	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	30.2
FL 33 @ 2'	7/28/2021	2	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	27.9
FL 34 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 35 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 36 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 37 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 38 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 39 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 40 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 41 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 42 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0

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 Goodnight Midstream Permian, LLC Blueberry SWD 7-2-2021 NMOCD Ref. #: nAPP2118435612											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	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 43 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 44 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 45 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 46 @ 2'	7/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 47 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 48 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 49 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 50 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 51 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 52 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 53 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 54 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 55 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 56 @ 1'	8/2/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 57 @ 2'	8/3/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 58 @ 2'	8/3/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 59 @ 2'	8/3/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 60 @ 2'	8/3/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 61 @ 2'	8/3/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 62 @ 2'	8/3/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 63 @ 2'	8/3/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 64 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 65 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 66 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 67 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 68 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 69 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 70 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 71 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 72 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 73 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 74 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 75 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 76 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 77 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 78 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 79 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 80 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 81 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 82 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 83 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0

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 Goodnight Midstream Permian, LLC Blueberry SWD 7-2-2021 NMOCD Ref. #: nAPP2118435612											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	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 84 @ 2'	8/9/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 85 @ 3'	8/10/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 86 @ 3'	8/10/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 87 @ 3'	8/10/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 88 @ 3'	8/10/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 89 @ 3'	8/10/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 90 @ 3'	8/10/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 91 @ 3'	8/10/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 92 @ 3'	8/10/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 93 @ 3'	8/10/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 94 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 95 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 96 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 97 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 98 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 99 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 100 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 101 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 102 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 103 @ 3'	8/12/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 104 @ 2'	8/12/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 105 @ 2'	8/12/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 106 @ 3'	8/16/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 107 @ 3'	8/16/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 108 @ 3'	8/16/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 109 @ 3'	8/16/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 110 @ 3'	8/16/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 111 @ 3'	8/16/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 112 @ 2'	8/16/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 113 @ 2'	8/16/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 114 @ 2'	8/16/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 115 @ 2'	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 116 @ 2'	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 117 @ 2'	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 118 @ 2'	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 119 @ 2'	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 120 @ 2'	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 121 @ 2'	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 122 @ 2'	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 123 @ 2'	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL 123 @ 4'	9/1/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0

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 Goodnight Midstream Permian, LLC Blueberry SWD 7-2-2021 NMOCD Ref. #: nAPP2118435612											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	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 124 @ 4'	8/19/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 125 @ 4'	8/19/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,330
FL 126 @ 4'	8/19/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
FL 127 @ 4'	8/19/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,360
FL 128 @ 2'	8/20/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 129 @ 2'	8/20/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 130 @ 2'	8/20/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 131 @ 13'	8/24/2021	13	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 132 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 133 @ 7'	8/24/2021	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 134 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 135 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,880
FL 136 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,520
FL 137 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 138 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,150
FL 139 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 140 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,040
FL 141 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
FL 142 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FL 143 @ 6'	8/24/2021	6	In-Situ	<0.050	<0.300	<10.0	20.0	20.0	<10.0	20.0	336
FL 144 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 145 @ 4'	8/24/2021	4	Excavated	<0.050	<0.300	<10.0	83.2	83.2	19.6	103	320
FL 145 @ 6'	8/31/2021	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 146 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 147 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 148 @ 4'	8/24/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,400
FL 149 @ 4'	8/27/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 150 @ 4'	8/27/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 151 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 152 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 153 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 154 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 155 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 156 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 157 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 158 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 159 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 160 @ 3'	8/27/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 161 @ 4'	9/1/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240

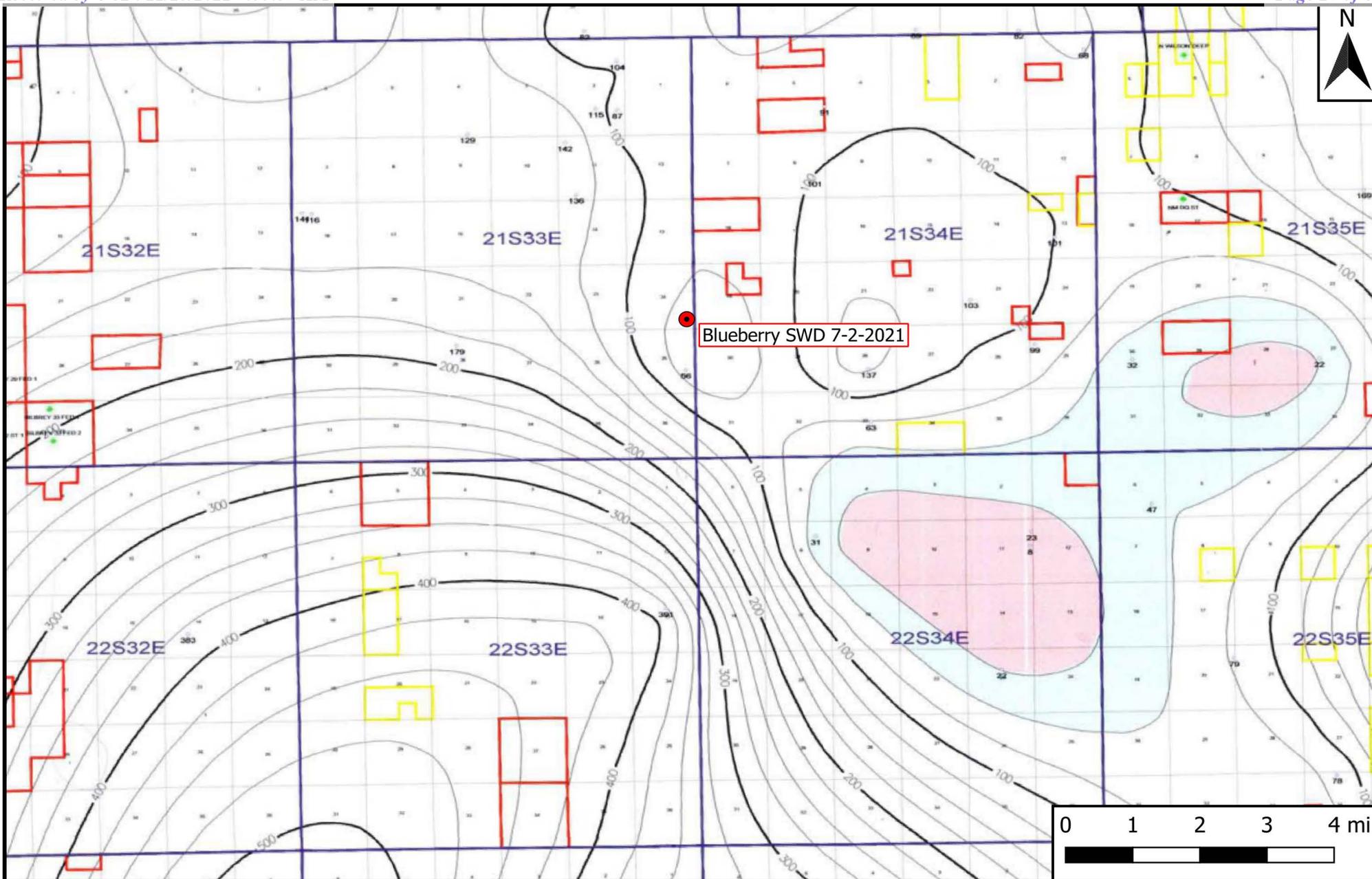
Dash (-): Sample not analyzed for that constituent.

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
 Goodnight Midstream Permian, LLC
 Blueberry SWD 7/2/2021
 GPS: 32.45911, -103.519608
 Lea County

eTECH
 Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 8/20/21



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00600 POD1	CP	LE	64	16	4	25	21S	33E		639152	3591054*	1237	65		

Average Depth to Water: --
 Minimum Depth: --
 Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 639136.3 **Northing (Y):** 3592291.26 **Radius:** 1610

*UTM location was derived from PLSS - see Help

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

4/15/20 8:41 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00600 POD1	2	4	25	21S	33E	639152	3591054*	

Driller License: 122	Driller Company: UNKNOWN	
Driller Name:		
Drill Start Date:	Drill Finish Date:	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 3 GPM
Casing Size: 6.63	Depth Well: 65 feet	Depth Water:

*UTM location was derived from PLSS - see Help

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

4/15/20 8:41 AM

POINT OF DIVERSION SUMMARY



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

Figure 5
 USGS Well Proximity Map
 Goodnight Midstream Permian, LLC
 Blueberry SWD 7-2-2021
 GPS: 32.45911, -103.519608
 Lea County



Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 10/29/21



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site_no list =

- 322641103311201

Minimum number of levels = 1

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

USGS 322641103311201 21S.33E.25.42322

Lea County, New Mexico

Latitude 32°26'41", Longitude 103°31'12" NAD27

Land-surface elevation 3,660 feet above NAVD88

The depth of the well is 68 feet below land surface.

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

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

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-03-28			D	72019	56.53			1	Z		A
1971-02-04			D	72019	58.95			1	Z		A
1972-09-22			D	72019	56.53			1	Z		A
1976-12-16			D	72019	57.58			1	Z		A
1981-03-10			D	72019	56.03			1	Z		A
1986-03-20			D	72019	55.66			1	Z		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	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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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: 2021-11-01 12:03:48 EDT

0.35 0.31 nadww02

Appendix B

Field Data & Soil Profile Logs



Sample Log

Date: 7/16/21

Project: Blueberry SWD 7-3-2021
 Project Number: 14433 Latitude: 32.45911 Longitude: -103.5196

Sample ID	PID/Odor	Chloride Conc.	GPS
FL1@1'	212 →		
FL2@1'	184 →		
FL3@1'	240 →		
FL4@1'	184 →		
FL1@2'		156	
FL2@2'		184	
FL3@2'		156	
FL4@2'		184	
FL5@2'		212	
FL6@2'		156	
FL7@2'		156	
FL8@2'		184	
NW1	-	156	
FL9@2'	-	168	
FL10@2'	-	224	
FL11@2'	-	200	
FL12@2'	-	184	
FL13@2'	-	196	
FL14@2'	-	212	
FL15@2'	-	176	
FL16@2'	-	196	
FW1	-	1520	
FW1	-	120	
FW2	-	412	
FW2	-	167	
FL17@2'	-	576	
FL17@3'	-	412	
FL17@4'	-	184	
FL18@4'	-	776	
FL19@2'	-	412	
FL19@3'	-	369	
FL20@2'	-	196	
FL21@2'	-	176	
FL22@2'	-	184	
FL23@2'	-	156	
FL24@2'	-	1120	

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

Walter



Sample Log

Date: _____

Project: _____

Project Number: _____

Latitude: _____

Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 25 @ 2'	-	184	
FL 26 @ 2'	-	212	
FL 27 @ 2'	-	212	
FL 28 @ 2'	✓	176	
FL 29 @ 2'	-	184	
FL 30 @ 2'	-	196	
FL 31 @ 2'	-	212	
FL 32 @ 2'	-	132	
FL 33 @ 2'	-	154	
WW1	-	2484 *	
SW1	-	212	
WW2	-	196	
SW2	-	2484 *	
EW2	-	1402 *	
SW3	-	1000 184	
WW3	-	2300 *	
WW3	-	1312 *	
NW3	-	156	
FL 34 @ 2'	-	212	
FL 35 @ 2'	-	176	
FL 36 @ 2'	-	176	
FL 37 @ 2'	-	132	
FL 38 @ 2'	-	132	
FL 39 @ 2'	-	196	
FL 40 @ 2'	-	212	
FL 41 @ 2'	-	196	
FL 42 @ 2'	-	196	
FL 43 @ 2'	-	132	
FL 44 @ 2'	-	132	
FL 45 @ 2'	-	212	
FL 46 @ 2'	-	196	
FL 47 @ 1'	-	212	
FL 48 @ 1'	-	132	
FL 49 @ 1'	-	132	
FL 50 @ 1'	-	156	
FL 51 @ 1'	-	212	

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

* - needs more excavation



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 52 @ 1'	-	212	
FL 53 @ 1'	-	156	
FL 54 @ 1'	-	<132	
FL 55 @ 1'	-	132	
FL 56 @ 1'	-	198	
SW2	-	312*	
EW2	-	312*	
WW2	-	312*	
WW2 WW1	-	156	
WW3	-	580*	
SW4	-	312	
EW2	-	312*	
SW2	-	276	
WW3	-	352	
EW3	-	198	
FL 57 @ 2'	-	212	
FL 58 @ 2'	-	196	
FL 59 @ 2'	-	132	
FL 60 @ 2'	-	132 <132	
FL 61 @ 2'	-	176	
FL 62 @ 2'	-	<132	
FL 63 @ 2'	-	176	
FL 64 @ 1'	-	392	
FL 65 @ 1'	-	436*	
FL 66 @ 1'	-	312*	
FL 67 @ 1'	-	580*	
FL 68 @ 1'	-	312*	
FL 69 @ 1'	-	392*	
FL 70 @ 1'	-	310*	
FL 71 @ 1'	-	436*	
FL 72 @ 1'	-	352*	
FL 73 @ 1'	-	352*	
WW4	-	1250*	
SW5	-	240	
SP1 @ 6' (Test Trench)		1356*	
SP1 @ 8' (Test Trench)		872*	

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 Area

* - needs resampling

Soil Boring/Temporary Monitor Well TMW-1

Company: Goodnight Midstream Permian, LLC	Well/Borehole ID: TMW-1	Drilling Company: Scarborough Drilling, Inc.
Site: Blueberry SWD	Coordinates (NAD 83): 32.459725,-103.520119	Driller: L. Scarborough
NMOCD Reference #: nRM2010753767	Drilling Date: 9/15/2021	Drilling Method: Air Rotary
Location: Lea Co., NM	Depth of Boring (ft): 150	Logged By: L. Scarborough
PLSS: U/L "P" (SE/SE), Sec. 24, T21S, R33E	Depth to Groundwater (ft): 128.8	Drafted By: B. Arguijo
	Plugging Date: 10/24/2021	Draft Date: 10/29/2021
Completion: N/A	Casing: N/A	Screen: N/A
Comments: N/A		

Depth (ft)	Groundwater	Lithology	Material Description	Chloride Field Test	Lab	PID	Well Construction
10			Caliche Topsoil	.	.	.	
20			Caliche	.	.	.	
30				.	.	.	
40			Sandy with rock ledges	.	.	.	
50				.	.	.	
60				.	.	.	
70				.	.	.	
80				.	.	.	
90				.	.	.	
100				.	.	.	
110				.	.	.	
120			Loose sand	.	.	.	
130	∇			.	.	.	
140				.	.	.	
150				.	.	.	
160			Notes: • Lines between material types represent approximate boundaries. Actual transitions may be gradual. • Due to the non-cohesive nature of the soil at lower depths, water was injected beginning at approximately 120 feet below ground surface (bgs) to prevent collapse of the borehole. • Borehole collapsed from approximately 141.5' to 150' bgs.				
170							

Disclaimer This bore log is intended for environmental not geotechnical purposes.



Soil Profile

Date: _____

Project: Blueberry SWD 7-3-2021

Project Number: 14433 Latitude: 32.45911 Longitude: -103.5196

Depth (ft. bgs)

Description

1	Caliche	Caliche first look, A few feet of Top soil, then gets really rocky
2	Top Soil	
3	Top Soil	
4	Caliche	
5	↓	
6	↓	
7		
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Appendix C

Photographic Log

Photographic Log

Photo Number: 1	 <p>July 16, 2021, 12:03 PM 32.459262,-103.519662</p>
Photo Direction: Overhead/Bird's-Eye	
Photo Description: Aerial view of the affected area.	

Photo Number: 2	 <p>July 16, 2021, 12:03 PM 32.459489,-103.518738</p>
Photo Direction: West	
Photo Description: Aerial view of the affected area.	

Photographic Log

Photo Number: 3	 <p>July 16, 2021, 12:06 PM 32.459250, -103.520636</p>
Photo Direction: East-Southeast	
Photo Description: Aerial view of the affected area.	

Photo Number: 4	 <p>July 8, 2021 32.459119, -103.519793</p>
Photo Direction: Southwest	
Photo Description: View of a portion of the affected area.	

Photographic Log

Photo Number: 5	 <p>July 8, 2021 32.459241,-103.519447</p>
Photo Direction: West	
Photo Description: View of a portion of the affected area.	

Photo Number: 6	 <p>July 8, 2021 32.459328,-103.519688</p>
Photo Direction: Southwest	
Photo Description: View of a portion of the affected area.	

Photographic Log

Photo Number: 7	 <p>July 8, 2021 32.459228,-103.519385</p>
Photo Direction: North-Northeast	
Photo Description: View of a portion of the affected area.	

Photo Number: 8	 <p>July 8, 2021 32.458924,-103.519796</p>
Photo Direction: East-Northeast	
Photo Description: View of a portion of the affected area.	

Photographic Log

Photo Number: 9	
Photo Direction: Southwest	
Photo Description: View of a portion of the excavated area.	

Photo Number: 10	
Photo Direction: Northwest	
Photo Description: View of a portion of the excavated area.	

Photographic Log

Photo Number: 11	 <p>Sep 1, 2021 at 1:55:07 PM +32.459132,-103.519642 ±5.00m 230° SE</p>
Photo Direction: Southwest	
Photo Description: View of a portion of the excavated area.	

Photo Number: 12	 <p>Sep 1, 2021 at 1:56:07 PM +32.459013,-103.519994 ±5.00m 42° NE</p>
Photo Direction: Northeast	
Photo Description: View of a portion of the excavated area.	

Photographic Log

Photo Number: 13	
Photo Direction: Northeast	
Photo Description: View of a portion of the excavated area.	

Photo Number: 14	
Photo Direction: Southeast	
Photo Description: View of a portion of the excavated area.	

Photographic Log

Photo Number: 15	
Photo Direction: North-Northeast	
Photo Description: View of a portion of the excavated area.	

Photo Number: 16	
Photo Direction: Southeast	
Photo Description: View of a portion of the excavated area.	

Photographic Log

Photo Number: 17	 <p>October 20, 2021 32.459290,-103.519461</p> <p><i>dji</i> PHANTOM 3 STANDARD</p>
Photo Direction: Overhead/Bird's-Eye	
Photo Description: Aerial view of the remediated area following backfill and regrading.	

Appendix D

Laboratory Analytical Reports



Environment Testing
America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-4134-1
Laboratory Sample Delivery Group: Rural Lea County, NM
Client Project/Site: Blueberry SWD

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: PM List

Authorized for release by:
7/29/2021 12:53:51 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com



LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
- 2
- 3
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- 5
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- 7
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- 10
- 11
- 12
- 13
- 14

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Laboratory Job ID: 880-4134-1
SDG: Rural Lea County, NM

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

Job ID: 880-4134-1

Laboratory: Eurofins Xenco, Midland

Narrative

**Job Narrative
880-4134-1**

Receipt

The samples were received on 7/20/2021 10:58 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: FL 1 @ 2' (880-4134-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

HPLC/IC

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

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWDJob ID: 880-4134-1
SDG: Rural Lea County, NM

Client Sample ID: FL 1 @ 2'

Lab Sample ID: 880-4134-1

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 18:20	1
Toluene	0.00289		0.00200		mg/Kg		07/20/21 11:15	07/20/21 18:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 18:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/20/21 11:15	07/20/21 18:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 18:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/20/21 11:15	07/20/21 18:20	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/20/21 11:15	07/20/21 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	07/20/21 11:15	07/20/21 18:20	1
1,4-Difluorobenzene (Surr)	142	S1+	70 - 130	07/20/21 11:15	07/20/21 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/23/21 13:34	07/27/21 12:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/23/21 13:34	07/27/21 12:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/23/21 13:34	07/27/21 12:58	1
Total TPH	<49.8	U	49.8		mg/Kg		07/23/21 13:34	07/27/21 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	07/23/21 13:34	07/27/21 12:58	1
o-Terphenyl	117		70 - 130	07/23/21 13:34	07/27/21 12:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		5.03		mg/Kg			07/22/21 19:58	1

Client Sample ID: FL 2 @ 2'

Lab Sample ID: 880-4134-2

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/20/21 11:15	07/20/21 18:41	1
Toluene	0.00228		0.00199		mg/Kg		07/20/21 11:15	07/20/21 18:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/20/21 11:15	07/20/21 18:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/20/21 11:15	07/20/21 18:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/20/21 11:15	07/20/21 18:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/20/21 11:15	07/20/21 18:41	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/20/21 11:15	07/20/21 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/20/21 11:15	07/20/21 18:41	1
1,4-Difluorobenzene (Surr)	105		70 - 130	07/20/21 11:15	07/20/21 18:41	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWDJob ID: 880-4134-1
SDG: Rural Lea County, NM

Client Sample ID: FL 2 @ 2'

Lab Sample ID: 880-4134-2

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/23/21 13:34	07/27/21 13:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/23/21 13:34	07/27/21 13:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/23/21 13:34	07/27/21 13:19	1
Total TPH	<49.7	U	49.7		mg/Kg		07/23/21 13:34	07/27/21 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	07/23/21 13:34	07/27/21 13:19	1
o-Terphenyl	115		70 - 130	07/23/21 13:34	07/27/21 13:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.4		4.99		mg/Kg			07/22/21 20:03	1

Client Sample ID: FL 3 @ 2'

Lab Sample ID: 880-4134-3

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/20/21 11:15	07/20/21 19:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/20/21 11:15	07/20/21 19:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/20/21 11:15	07/20/21 19:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/20/21 11:15	07/20/21 19:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/20/21 11:15	07/20/21 19:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/20/21 11:15	07/20/21 19:02	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/20/21 11:15	07/20/21 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/20/21 11:15	07/20/21 19:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/20/21 11:15	07/20/21 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/23/21 13:34	07/27/21 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/23/21 13:34	07/27/21 13:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/23/21 13:34	07/27/21 13:40	1
Total TPH	<49.9	U	49.9		mg/Kg		07/23/21 13:34	07/27/21 13:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	07/23/21 13:34	07/27/21 13:40	1
o-Terphenyl	115		70 - 130	07/23/21 13:34	07/27/21 13:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.0		5.00		mg/Kg			07/22/21 20:19	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWDJob ID: 880-4134-1
SDG: Rural Lea County, NM

Client Sample ID: FL 4 @ 2'

Lab Sample ID: 880-4134-4

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 19:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 19:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 19:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/20/21 11:15	07/20/21 19:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 19:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/20/21 11:15	07/20/21 19:22	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/20/21 11:15	07/20/21 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/20/21 11:15	07/20/21 19:22	1
1,4-Difluorobenzene (Surr)	106		70 - 130	07/20/21 11:15	07/20/21 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 04:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 04:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 04:20	1
Total TPH	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	07/22/21 09:48	07/29/21 04:20	1
o-Terphenyl	101		70 - 130	07/22/21 09:48	07/29/21 04:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.8		5.00		mg/Kg			07/22/21 20:25	1

Client Sample ID: FL 5 @ 2'

Lab Sample ID: 880-4134-5

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/20/21 11:15	07/20/21 20:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/20/21 11:15	07/20/21 20:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/20/21 11:15	07/20/21 20:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/20/21 11:15	07/20/21 20:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/20/21 11:15	07/20/21 20:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/20/21 11:15	07/20/21 20:44	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/20/21 11:15	07/20/21 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/20/21 11:15	07/20/21 20:44	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/20/21 11:15	07/20/21 20:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWDJob ID: 880-4134-1
SDG: Rural Lea County, NM

Client Sample ID: FL 5 @ 2'

Lab Sample ID: 880-4134-5

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 04:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 04:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 04:41	1
Total TPH	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 04:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	07/22/21 09:48	07/29/21 04:41	1
o-Terphenyl	103		70 - 130	07/22/21 09:48	07/29/21 04:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.1		5.00		mg/Kg			07/22/21 20:41	1

Client Sample ID: FL 6 @ 2'

Lab Sample ID: 880-4134-6

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/20/21 11:15	07/20/21 21:05	1
Toluene	0.00311		0.00202		mg/Kg		07/20/21 11:15	07/20/21 21:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/20/21 11:15	07/20/21 21:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/20/21 11:15	07/20/21 21:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/20/21 11:15	07/20/21 21:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/20/21 11:15	07/20/21 21:05	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/20/21 11:15	07/20/21 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	07/20/21 11:15	07/20/21 21:05	1
1,4-Difluorobenzene (Surr)	112		70 - 130	07/20/21 11:15	07/20/21 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/21 09:48	07/29/21 05:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/21 09:48	07/29/21 05:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/21 09:48	07/29/21 05:01	1
Total TPH	<49.9	U	49.9		mg/Kg		07/22/21 09:48	07/29/21 05:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	07/22/21 09:48	07/29/21 05:01	1
o-Terphenyl	101		70 - 130	07/22/21 09:48	07/29/21 05:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.1		5.04		mg/Kg			07/22/21 20:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWDJob ID: 880-4134-1
SDG: Rural Lea County, NM

Client Sample ID: FL 7 @ 2'

Lab Sample ID: 880-4134-7

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 21:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 21:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 21:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/20/21 11:15	07/20/21 21:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 21:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/20/21 11:15	07/20/21 21:26	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/20/21 11:15	07/20/21 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/20/21 11:15	07/20/21 21:26	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/20/21 11:15	07/20/21 21:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 05:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 05:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 05:22	1
Total TPH	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	07/22/21 09:48	07/29/21 05:22	1
o-Terphenyl	100		70 - 130	07/22/21 09:48	07/29/21 05:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.9		5.02		mg/Kg			07/22/21 20:52	1

Client Sample ID: FL 8 @ 2'

Lab Sample ID: 880-4134-8

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/20/21 11:15	07/20/21 21:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/20/21 11:15	07/20/21 21:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/20/21 11:15	07/20/21 21:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/20/21 11:15	07/20/21 21:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/20/21 11:15	07/20/21 21:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/20/21 11:15	07/20/21 21:46	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/20/21 11:15	07/20/21 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/20/21 11:15	07/20/21 21:46	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/20/21 11:15	07/20/21 21:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD

Job ID: 880-4134-1
 SDG: Rural Lea County, NM

Client Sample ID: FL 8 @ 2'

Lab Sample ID: 880-4134-8

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 05:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 05:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 05:43	1
Total TPH	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/29/21 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/22/21 09:48	07/29/21 05:43	1
o-Terphenyl	105		70 - 130	07/22/21 09:48	07/29/21 05:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.3		4.97		mg/Kg			07/22/21 20:57	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-4134-1	FL 1 @ 2'	147 S1+	142 S1+
880-4134-2	FL 2 @ 2'	124	105
880-4134-3	FL 3 @ 2'	115	98
880-4134-4	FL 4 @ 2'	109	106
880-4134-5	FL 5 @ 2'	99	84
880-4134-6	FL 6 @ 2'	123	112
880-4134-7	FL 7 @ 2'	110	82
880-4134-8	FL 8 @ 2'	113	96
LCS 880-5411/1-A	Lab Control Sample	96	91
LCS 880-5411/2-A	Lab Control Sample Dup	98	100
MB 880-5411/5-A	Method Blank	107	90

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-4134-1	FL 1 @ 2'	97	117
880-4134-2	FL 2 @ 2'	96	115
880-4134-3	FL 3 @ 2'	96	115
880-4134-4	FL 4 @ 2'	91	101
880-4134-5	FL 5 @ 2'	92	103
880-4134-6	FL 6 @ 2'	90	101
880-4134-7	FL 7 @ 2'	92	100
880-4134-8	FL 8 @ 2'	93	105
LCS 880-5526/2-A	Lab Control Sample	98	106
LCS 880-5596/2-A	Lab Control Sample	112	124
LCS 880-5526/3-A	Lab Control Sample Dup	97	104
LCS 880-5596/3-A	Lab Control Sample Dup	104	116
MB 880-5526/1-A	Method Blank	88	99
MB 880-5596/1-A	Method Blank	89	106

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD

Job ID: 880-4134-1
 SDG: Rural Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-5411/5-A
 Matrix: Solid
 Analysis Batch: 5426

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 15:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 15:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 15:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/20/21 11:15	07/20/21 15:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/20/21 11:15	07/20/21 15:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/20/21 11:15	07/20/21 15:55	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/20/21 11:15	07/20/21 15:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/20/21 11:15	07/20/21 15:55	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/20/21 11:15	07/20/21 15:55	1

Lab Sample ID: LCS 880-5411/1-A
 Matrix: Solid
 Analysis Batch: 5426

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1063		mg/Kg		106	70 - 130
Toluene	0.100	0.09717		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09761		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2042		mg/Kg		102	70 - 130
o-Xylene	0.100	0.09539		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-5411/2-A
 Matrix: Solid
 Analysis Batch: 5426

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 5411

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1088		mg/Kg		109	70 - 130	2	35
Toluene	0.100	0.09815		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.09946		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2001		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.09277		mg/Kg		93	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD

Job ID: 880-4134-1
 SDG: Rural Lea County, NM

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

Lab Sample ID: MB 880-5526/1-A
Matrix: Solid
Analysis Batch: 5739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5526

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/28/21 21:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/28/21 21:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/28/21 21:00	1
Total TPH	<50.0	U	50.0		mg/Kg		07/22/21 09:48	07/28/21 21:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	07/22/21 09:48	07/28/21 21:00	1
o-Terphenyl	99		70 - 130	07/22/21 09:48	07/28/21 21:00	1

Lab Sample ID: LCS 880-5526/2-A
Matrix: Solid
Analysis Batch: 5739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	802.2		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	934.6		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-5526/3-A
Matrix: Solid
Analysis Batch: 5739

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	784.1		mg/Kg		78	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	918.1		mg/Kg		92	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: MB 880-5596/1-A
Matrix: Solid
Analysis Batch: 5685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/23/21 13:34	07/27/21 10:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/23/21 13:34	07/27/21 10:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/21 13:34	07/27/21 10:11	1
Total TPH	<50.0	U	50.0		mg/Kg		07/23/21 13:34	07/27/21 10:11	1

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD

Job ID: 880-4134-1
 SDG: Rural Lea County, NM

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	89		70 - 130	07/23/21 13:34	07/27/21 10:11	1
o-Terphenyl	106		70 - 130	07/23/21 13:34	07/27/21 10:11	1

Lab Sample ID: LCS 880-5596/2-A
 Matrix: Solid
 Analysis Batch: 5685

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	1000	1113		mg/Kg		111	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: LCSD 880-5596/3-A
 Matrix: Solid
 Analysis Batch: 5685

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 5596

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	878.7		mg/Kg		88	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1035		mg/Kg		103	70 - 130	7	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	104		70 - 130
o-Terphenyl	116		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5431/1-A
 Matrix: Solid
 Analysis Batch: 5551

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			07/22/21 18:31	1

Lab Sample ID: LCS 880-5431/2-A
 Matrix: Solid
 Analysis Batch: 5551

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Lab Sample ID: LCSD 880-5431/3-A
 Matrix: Solid
 Analysis Batch: 5551

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Chloride	250	246.2		mg/Kg		98	90 - 110	0	20

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD

Job ID: 880-4134-1
 SDG: Rural Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-4134-2 MS
 Matrix: Solid
 Analysis Batch: 5551

Client Sample ID: FL 2 @ 2'
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	21.4		250	262.5		mg/Kg		97	90 - 110

Lab Sample ID: 880-4134-2 MSD
 Matrix: Solid
 Analysis Batch: 5551

Client Sample ID: FL 2 @ 2'
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	21.4		250	262.4		mg/Kg		97	90 - 110	0	20

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- 13
- 14

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

GC VOA

Prep Batch: 5411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4134-1	FL 1 @ 2'	Total/NA	Solid	5035	
880-4134-2	FL 2 @ 2'	Total/NA	Solid	5035	
880-4134-3	FL 3 @ 2'	Total/NA	Solid	5035	
880-4134-4	FL 4 @ 2'	Total/NA	Solid	5035	
880-4134-5	FL 5 @ 2'	Total/NA	Solid	5035	
880-4134-6	FL 6 @ 2'	Total/NA	Solid	5035	
880-4134-7	FL 7 @ 2'	Total/NA	Solid	5035	
880-4134-8	FL 8 @ 2'	Total/NA	Solid	5035	
MB 880-5411/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5411/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5411/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 5426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4134-1	FL 1 @ 2'	Total/NA	Solid	8021B	5411
880-4134-2	FL 2 @ 2'	Total/NA	Solid	8021B	5411
880-4134-3	FL 3 @ 2'	Total/NA	Solid	8021B	5411
880-4134-4	FL 4 @ 2'	Total/NA	Solid	8021B	5411
880-4134-5	FL 5 @ 2'	Total/NA	Solid	8021B	5411
880-4134-6	FL 6 @ 2'	Total/NA	Solid	8021B	5411
880-4134-7	FL 7 @ 2'	Total/NA	Solid	8021B	5411
880-4134-8	FL 8 @ 2'	Total/NA	Solid	8021B	5411
MB 880-5411/5-A	Method Blank	Total/NA	Solid	8021B	5411
LCS 880-5411/1-A	Lab Control Sample	Total/NA	Solid	8021B	5411
LCSD 880-5411/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5411

GC Semi VOA

Prep Batch: 5526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4134-4	FL 4 @ 2'	Total/NA	Solid	8015NM Prep	
880-4134-5	FL 5 @ 2'	Total/NA	Solid	8015NM Prep	
880-4134-6	FL 6 @ 2'	Total/NA	Solid	8015NM Prep	
880-4134-7	FL 7 @ 2'	Total/NA	Solid	8015NM Prep	
880-4134-8	FL 8 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-5526/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5526/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5526/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 5596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4134-1	FL 1 @ 2'	Total/NA	Solid	8015NM Prep	
880-4134-2	FL 2 @ 2'	Total/NA	Solid	8015NM Prep	
880-4134-3	FL 3 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-5596/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5596/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5596/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 5685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4134-1	FL 1 @ 2'	Total/NA	Solid	8015B NM	5596

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 5685 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4134-2	FL 2 @ 2'	Total/NA	Solid	8015B NM	5596
880-4134-3	FL 3 @ 2'	Total/NA	Solid	8015B NM	5596
MB 880-5596/1-A	Method Blank	Total/NA	Solid	8015B NM	5596
LCS 880-5596/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5596
LCSD 880-5596/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5596

Analysis Batch: 5739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4134-4	FL 4 @ 2'	Total/NA	Solid	8015B NM	5526
880-4134-5	FL 5 @ 2'	Total/NA	Solid	8015B NM	5526
880-4134-6	FL 6 @ 2'	Total/NA	Solid	8015B NM	5526
880-4134-7	FL 7 @ 2'	Total/NA	Solid	8015B NM	5526
880-4134-8	FL 8 @ 2'	Total/NA	Solid	8015B NM	5526
MB 880-5526/1-A	Method Blank	Total/NA	Solid	8015B NM	5526
LCS 880-5526/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5526
LCSD 880-5526/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5526

HPLC/IC

Leach Batch: 5431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4134-1	FL 1 @ 2'	Soluble	Solid	DI Leach	
880-4134-2	FL 2 @ 2'	Soluble	Solid	DI Leach	
880-4134-3	FL 3 @ 2'	Soluble	Solid	DI Leach	
880-4134-4	FL 4 @ 2'	Soluble	Solid	DI Leach	
880-4134-5	FL 5 @ 2'	Soluble	Solid	DI Leach	
880-4134-6	FL 6 @ 2'	Soluble	Solid	DI Leach	
880-4134-7	FL 7 @ 2'	Soluble	Solid	DI Leach	
880-4134-8	FL 8 @ 2'	Soluble	Solid	DI Leach	
MB 880-5431/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5431/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5431/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4134-2 MS	FL 2 @ 2'	Soluble	Solid	DI Leach	
880-4134-2 MSD	FL 2 @ 2'	Soluble	Solid	DI Leach	

Analysis Batch: 5551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4134-1	FL 1 @ 2'	Soluble	Solid	300.0	5431
880-4134-2	FL 2 @ 2'	Soluble	Solid	300.0	5431
880-4134-3	FL 3 @ 2'	Soluble	Solid	300.0	5431
880-4134-4	FL 4 @ 2'	Soluble	Solid	300.0	5431
880-4134-5	FL 5 @ 2'	Soluble	Solid	300.0	5431
880-4134-6	FL 6 @ 2'	Soluble	Solid	300.0	5431
880-4134-7	FL 7 @ 2'	Soluble	Solid	300.0	5431
880-4134-8	FL 8 @ 2'	Soluble	Solid	300.0	5431
MB 880-5431/1-A	Method Blank	Soluble	Solid	300.0	5431
LCS 880-5431/2-A	Lab Control Sample	Soluble	Solid	300.0	5431
LCSD 880-5431/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5431
880-4134-2 MS	FL 2 @ 2'	Soluble	Solid	300.0	5431
880-4134-2 MSD	FL 2 @ 2'	Soluble	Solid	300.0	5431

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

Client Sample ID: FL 1 @ 2'

Lab Sample ID: 880-4134-1

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	5411	07/20/21 11:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5426	07/20/21 18:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	5596	07/23/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5685	07/27/21 12:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	5431	07/20/21 13:18	CH	XEN MID
Soluble	Analysis	300.0		1			5551	07/22/21 19:58	CH	XEN MID

Client Sample ID: FL 2 @ 2'

Lab Sample ID: 880-4134-2

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5411	07/20/21 11:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5426	07/20/21 18:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	5596	07/23/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5685	07/27/21 13:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5431	07/20/21 13:18	CH	XEN MID
Soluble	Analysis	300.0		1			5551	07/22/21 20:03	CH	XEN MID

Client Sample ID: FL 3 @ 2'

Lab Sample ID: 880-4134-3

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5411	07/20/21 11:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5426	07/20/21 19:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5596	07/23/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5685	07/27/21 13:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5431	07/20/21 13:18	CH	XEN MID
Soluble	Analysis	300.0		1			5551	07/22/21 20:19	CH	XEN MID

Client Sample ID: FL 4 @ 2'

Lab Sample ID: 880-4134-4

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5411	07/20/21 11:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5426	07/20/21 19:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5526	07/22/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5739	07/29/21 04:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5431	07/20/21 13:18	CH	XEN MID
Soluble	Analysis	300.0		1			5551	07/22/21 20:25	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

Client Sample ID: FL 5 @ 2'

Lab Sample ID: 880-4134-5

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	5411	07/20/21 11:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5426	07/20/21 20:44	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5526	07/22/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5739	07/29/21 04:41	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5431	07/20/21 13:18	CH	XEN MID
Soluble	Analysis	300.0		1			5551	07/22/21 20:41	CH	XEN MID

Client Sample ID: FL 6 @ 2'

Lab Sample ID: 880-4134-6

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	5411	07/20/21 11:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5426	07/20/21 21:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5526	07/22/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5739	07/29/21 05:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5431	07/20/21 13:18	CH	XEN MID
Soluble	Analysis	300.0		1			5551	07/22/21 20:46	CH	XEN MID

Client Sample ID: FL 7 @ 2'

Lab Sample ID: 880-4134-7

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5411	07/20/21 11:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5426	07/20/21 21:26	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5526	07/22/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5739	07/29/21 05:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5431	07/20/21 13:18	CH	XEN MID
Soluble	Analysis	300.0		1			5551	07/22/21 20:52	CH	XEN MID

Client Sample ID: FL 8 @ 2'

Lab Sample ID: 880-4134-8

Date Collected: 07/16/21 00:00

Matrix: Solid

Date Received: 07/20/21 10:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5411	07/20/21 11:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5426	07/20/21 21:46	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5526	07/22/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5739	07/29/21 05:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5431	07/20/21 13:18	CH	XEN MID
Soluble	Analysis	300.0		1			5551	07/22/21 20:57	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

- 1
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Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD

Job ID: 880-4134-1
SDG: Rural Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-4134-1	FL 1 @ 2'	Solid	07/16/21 00:00	07/20/21 10:58	2'
880-4134-2	FL 2 @ 2'	Solid	07/16/21 00:00	07/20/21 10:58	2'
880-4134-3	FL 3 @ 2'	Solid	07/16/21 00:00	07/20/21 10:58	2'
880-4134-4	FL 4 @ 2'	Solid	07/16/21 00:00	07/20/21 10:58	2'
880-4134-5	FL 5 @ 2'	Solid	07/16/21 00:00	07/20/21 10:58	2'
880-4134-6	FL 6 @ 2'	Solid	07/16/21 00:00	07/20/21 10:58	2'
880-4134-7	FL 7 @ 2'	Solid	07/16/21 00:00	07/20/21 10:58	2'
880-4134-8	FL 8 @ 2'	Solid	07/16/21 00:00	07/20/21 10:58	2'

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Anton
Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock TX (806) 794
Phoenix, AZ (480) 355-0900 Atlanta GA (770) 449-8800 Tampa, FL (813) 620-2000



880-4134 Chain of Custody

Order No: 9808-4134

Page 1 of 1

7/29/2021

Project Manager: <u>Joel Lowry</u>	Bill to: (if different)
Company Name: <u>Etech Environmental</u>	Company Name: <u>Goodnight Midstream</u>
Address: <u>3100 Plains Hwy</u>	Address:
City, State ZIP: <u>Lawton, NM 88260</u>	City, State ZIP:
Phone: <u>575-396-2378</u>	Email: <u>PM@etechno.com</u>

Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other	

Project Name: <u>Blueberry SW</u>	Turn Around
Project Number: <u>14433</u>	Routine <input checked="" type="checkbox"/> Pres. Code
Project Location: <u>Rural Lea county, NM</u>	Rush
Sampler's Name: <u>Miguel Ramirez</u>	Due Date
PO #: _____	Quote #: _____

ANALYSIS REQUEST										
Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	BTEX	TPH	
FL 1 @ 2'	Soil	7/16/21	2'		1	X	X	X		
FL 2 @ 2'			2'		1	X	X	X		
FL 3 @ 2'			2'		1	X	X	X		
FL 4 @ 2'			2'		1	X	X	X		
FL 5 @ 2'			2'		1	X	X	X		
FL 6 @ 2'			2'		1	X	X	X		
FL 7 @ 2'			2'		1	X	X	X		
FL 8 @ 2'			2'		1	X	X	X		

Preservative Codes
MeOH Me
None NO
HNO3 HN
H2SO4 H2
HCL HL
NaOH Na
Zn Acetate+ NaOH Zn
TAT starts the day received by the lab if received by 4:00pm

SAMPLE RECEIPT	
Temperature (°C): <u>25/5.0</u>	Thermometer ID: <u>1129</u>
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor: <u>0.5</u>
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Total Containers: <u>0.5</u>
Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers
FL 1 @ 2'	Soil	7/16/21	2'		1	
FL 2 @ 2'			2'		1	
FL 3 @ 2'			2'		1	
FL 4 @ 2'			2'		1	
FL 5 @ 2'			2'		1	
FL 6 @ 2'			2'		1	
FL 7 @ 2'			2'		1	
FL 8 @ 2'			2'		1	

Chlorides	BTEX	TPH
-----------	------	-----

Sample Comments

Total 200.7 / 6010	200 8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Marcos Carrillo</u>	<u>July 19, 2021</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>7/20/21</u>
					<u>1058</u>

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-4134-1

SDG Number: Rural Lea County, NM

Login Number: 4134

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No times on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing
America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-4426-1
Laboratory Sample Delivery Group: Rural Lea Co, NM
Client Project/Site: Blueberry SWD 7/3/21

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: Joel Lowry

Authorized for release by:
7/30/2021 4:31:24 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com



LINKS

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results through
TotalAccess

Have a Question?



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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Laboratory Job ID: 880-4426-1
SDG: Rural Lea Co, NM

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Job ID: 880-4426-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-4426-1

Comments

No additional comments.

Receipt

The samples were received on 7/28/2021 10:49 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.6° C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-5738 and analytical batch 880-5733 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: NW

Lab Sample ID: 880-4426-1

Date Collected: 07/26/21 08:00

Matrix: Solid

Date Received: 07/28/21 10:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/28/21 11:00	07/29/21 07:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/28/21 11:00	07/29/21 07:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/28/21 11:00	07/29/21 07:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/28/21 11:00	07/29/21 07:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/28/21 11:00	07/29/21 07:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/28/21 11:00	07/29/21 07:42	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/28/21 11:00	07/29/21 07:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/28/21 11:00	07/29/21 07:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/28/21 11:00	07/29/21 07:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 03:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 03:38	1
Oil Range Organics (Over C28-C36)	119		50.0		mg/Kg		07/29/21 14:15	07/30/21 03:38	1
Total TPH	119		50.0		mg/Kg		07/29/21 14:15	07/30/21 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/29/21 14:15	07/30/21 03:38	1
o-Terphenyl	113		70 - 130	07/29/21 14:15	07/30/21 03:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		4.95		mg/Kg			07/29/21 17:48	1

Client Sample ID: FL 9 @ 2'

Lab Sample ID: 880-4426-2

Date Collected: 07/26/21 08:05

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/28/21 11:00	07/29/21 08:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/28/21 11:00	07/29/21 08:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/28/21 11:00	07/29/21 08:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/28/21 11:00	07/29/21 08:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/28/21 11:00	07/29/21 08:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/28/21 11:00	07/29/21 08:03	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/28/21 11:00	07/29/21 08:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/28/21 11:00	07/29/21 08:03	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/28/21 11:00	07/29/21 08:03	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: FL 9 @ 2'

Lab Sample ID: 880-4426-2

Date Collected: 07/26/21 08:05

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 03:59	1
Oil Range Organics (Over C28-C36)	85.5		50.0		mg/Kg		07/29/21 14:15	07/30/21 03:59	1
Total TPH	85.5		50.0		mg/Kg		07/29/21 14:15	07/30/21 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/29/21 14:15	07/30/21 03:59	1
o-Terphenyl	107		70 - 130	07/29/21 14:15	07/30/21 03:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.6		5.04		mg/Kg			07/29/21 18:04	1

Client Sample ID: FL 10 @ 2'

Lab Sample ID: 880-4426-3

Date Collected: 07/26/21 08:10

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/28/21 11:00	07/29/21 08:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/28/21 11:00	07/29/21 08:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/28/21 11:00	07/29/21 08:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/28/21 11:00	07/29/21 08:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/28/21 11:00	07/29/21 08:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/28/21 11:00	07/29/21 08:23	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/28/21 11:00	07/29/21 08:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/28/21 11:00	07/29/21 08:23	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/28/21 11:00	07/29/21 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 04:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 04:19	1
Oil Range Organics (Over C28-C36)	65.4		49.9		mg/Kg		07/29/21 14:15	07/30/21 04:19	1
Total TPH	65.4		49.9		mg/Kg		07/29/21 14:15	07/30/21 04:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/29/21 14:15	07/30/21 04:19	1
o-Terphenyl	107		70 - 130	07/29/21 14:15	07/30/21 04:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.7		4.98		mg/Kg			07/29/21 18:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: FL 11 @ 2'

Lab Sample ID: 880-4426-4

Date Collected: 07/26/21 08:15

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/28/21 11:00	07/29/21 08:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/28/21 11:00	07/29/21 08:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/28/21 11:00	07/29/21 08:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/28/21 11:00	07/29/21 08:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/28/21 11:00	07/29/21 08:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/28/21 11:00	07/29/21 08:44	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/28/21 11:00	07/29/21 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/28/21 11:00	07/29/21 08:44	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/28/21 11:00	07/29/21 08:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 04:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 04:39	1
Oil Range Organics (Over C28-C36)	54.0		49.9		mg/Kg		07/29/21 14:15	07/30/21 04:39	1
Total TPH	54.0		49.9		mg/Kg		07/29/21 14:15	07/30/21 04:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	07/29/21 14:15	07/30/21 04:39	1
o-Terphenyl	104		70 - 130	07/29/21 14:15	07/30/21 04:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.4		4.99		mg/Kg			07/29/21 18:15	1

Client Sample ID: FL 12 @ 2'

Lab Sample ID: 880-4426-5

Date Collected: 07/26/21 08:20

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/28/21 11:00	07/29/21 09:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/28/21 11:00	07/29/21 09:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/28/21 11:00	07/29/21 09:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/28/21 11:00	07/29/21 09:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/28/21 11:00	07/29/21 09:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/28/21 11:00	07/29/21 09:04	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/28/21 11:00	07/29/21 09:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/28/21 11:00	07/29/21 09:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/28/21 11:00	07/29/21 09:04	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: FL 12 @ 2'

Lab Sample ID: 880-4426-5

Date Collected: 07/26/21 08:20

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 05:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 05:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 05:00	1
Total TPH	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 05:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	07/29/21 14:15	07/30/21 05:00	1
o-Terphenyl	104		70 - 130	07/29/21 14:15	07/30/21 05:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.1		5.02		mg/Kg			07/29/21 18:20	1

Client Sample ID: FL 13 @ 2'

Lab Sample ID: 880-4426-6

Date Collected: 07/26/21 08:25

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/28/21 11:00	07/29/21 09:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/28/21 11:00	07/29/21 09:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/28/21 11:00	07/29/21 09:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/28/21 11:00	07/29/21 09:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/28/21 11:00	07/29/21 09:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/28/21 11:00	07/29/21 09:25	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/28/21 11:00	07/29/21 09:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/28/21 11:00	07/29/21 09:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/28/21 11:00	07/29/21 09:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 05:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 05:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 05:20	1
Total TPH	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	07/29/21 14:15	07/30/21 05:20	1
o-Terphenyl	103		70 - 130	07/29/21 14:15	07/30/21 05:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.9		4.98		mg/Kg			07/29/21 18:37	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: FL 14 @ 2'

Lab Sample ID: 880-4426-7

Date Collected: 07/26/21 09:05

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 14:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 14:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 14:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/28/21 13:50	07/29/21 14:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 14:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/28/21 13:50	07/29/21 14:26	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/28/21 13:50	07/29/21 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/28/21 13:50	07/29/21 14:26	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/28/21 13:50	07/29/21 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 05:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 05:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 05:40	1
Total TPH	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 05:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	07/29/21 14:15	07/30/21 05:40	1
o-Terphenyl	99		70 - 130	07/29/21 14:15	07/30/21 05:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.4		4.95		mg/Kg			07/29/21 18:42	1

Client Sample ID: FL 15 @ 2'

Lab Sample ID: 880-4426-8

Date Collected: 07/26/21 09:10

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/28/21 13:50	07/29/21 14:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/28/21 13:50	07/29/21 14:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/28/21 13:50	07/29/21 14:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/28/21 13:50	07/29/21 14:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/28/21 13:50	07/29/21 14:46	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/28/21 13:50	07/29/21 14:46	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/28/21 13:50	07/29/21 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/28/21 13:50	07/29/21 14:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/28/21 13:50	07/29/21 14:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: FL 15 @ 2'

Lab Sample ID: 880-4426-8

Date Collected: 07/26/21 09:10

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 06:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 06:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 06:00	1
Total TPH	<49.9	U	49.9		mg/Kg		07/29/21 14:15	07/30/21 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	07/29/21 14:15	07/30/21 06:00	1
o-Terphenyl	103		70 - 130	07/29/21 14:15	07/30/21 06:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.1		5.04		mg/Kg			07/29/21 18:47	1

Client Sample ID: EW 1

Lab Sample ID: 880-4426-9

Date Collected: 07/26/21 09:00

Matrix: Solid

Date Received: 07/28/21 10:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 15:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 15:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 15:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/28/21 13:50	07/29/21 15:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 15:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/28/21 13:50	07/29/21 15:07	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/28/21 13:50	07/29/21 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/28/21 13:50	07/29/21 15:07	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/28/21 13:50	07/29/21 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 06:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 06:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 06:21	1
Total TPH	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 06:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	07/29/21 14:15	07/30/21 06:21	1
o-Terphenyl	102		70 - 130	07/29/21 14:15	07/30/21 06:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.5		5.02		mg/Kg			07/29/21 18:53	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: NW 2

Lab Sample ID: 880-4426-10

Date Collected: 07/26/21 10:10

Matrix: Solid

Date Received: 07/28/21 10:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 15:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 15:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 15:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/28/21 13:50	07/29/21 15:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 15:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/28/21 13:50	07/29/21 15:27	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/28/21 13:50	07/29/21 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/28/21 13:50	07/29/21 15:27	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/28/21 13:50	07/29/21 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 06:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 06:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 06:41	1
Total TPH	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/30/21 06:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/29/21 14:15	07/30/21 06:41	1
o-Terphenyl	108		70 - 130	07/29/21 14:15	07/30/21 06:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.8		4.98		mg/Kg			07/29/21 18:58	1

Client Sample ID: FL 16 @ 2'

Lab Sample ID: 880-4426-11

Date Collected: 07/26/21 10:15

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 15:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 15:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 15:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/28/21 13:50	07/29/21 15:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 15:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/28/21 13:50	07/29/21 15:47	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/28/21 13:50	07/29/21 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	07/28/21 13:50	07/29/21 15:47	1
1,4-Difluorobenzene (Surr)	81		70 - 130	07/28/21 13:50	07/29/21 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 12:59	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: FL 16 @ 2'

Lab Sample ID: 880-4426-11

Date Collected: 07/26/21 10:15

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 12:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 12:59	1
Total TPH	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/29/21 16:40	07/30/21 12:59	1
o-Terphenyl	107		70 - 130	07/29/21 16:40	07/30/21 12:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.2		5.00		mg/Kg			07/29/21 19:04	1

Client Sample ID: FL 17 @ 4'

Lab Sample ID: 880-4426-12

Date Collected: 07/26/21 13:10

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 16:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 16:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 16:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/28/21 13:50	07/29/21 16:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 16:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/28/21 13:50	07/29/21 16:08	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/28/21 13:50	07/29/21 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/28/21 13:50	07/29/21 16:08	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/28/21 13:50	07/29/21 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/21 16:40	07/30/21 13:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/21 16:40	07/30/21 13:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/21 16:40	07/30/21 13:20	1
Total TPH	<49.9	U	49.9		mg/Kg		07/29/21 16:40	07/30/21 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	07/29/21 16:40	07/30/21 13:20	1
o-Terphenyl	101		70 - 130	07/29/21 16:40	07/30/21 13:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.9		4.99		mg/Kg			07/29/21 19:20	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: FL 18 @ 4'

Lab Sample ID: 880-4426-13

Date Collected: 07/26/21 13:15

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 16:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 16:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 16:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/28/21 13:50	07/29/21 16:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/28/21 13:50	07/29/21 16:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/28/21 13:50	07/29/21 16:28	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/28/21 13:50	07/29/21 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/28/21 13:50	07/29/21 16:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/28/21 13:50	07/29/21 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 13:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 13:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 13:41	1
Total TPH	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	07/29/21 16:40	07/30/21 13:41	1
o-Terphenyl	100		70 - 130	07/29/21 16:40	07/30/21 13:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.0		5.01		mg/Kg			07/29/21 19:25	1

Client Sample ID: FL 19 @ 3'

Lab Sample ID: 880-4426-14

Date Collected: 07/26/21 13:50

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 16:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 16:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 16:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/28/21 13:50	07/29/21 16:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 16:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/28/21 13:50	07/29/21 16:49	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/28/21 13:50	07/29/21 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/28/21 13:50	07/29/21 16:49	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/28/21 13:50	07/29/21 16:49	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

Client Sample ID: FL 19 @ 3'

Lab Sample ID: 880-4426-14

Date Collected: 07/26/21 13:50

Matrix: Solid

Date Received: 07/28/21 10:51

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 14:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 14:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 14:02	1
Total TPH	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	07/29/21 16:40	07/30/21 14:02	1
o-Terphenyl	108		70 - 130	07/29/21 16:40	07/30/21 14:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		4.97		mg/Kg			07/29/21 19:41	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-4426-1	NW	110	95
880-4426-2	FL 9 @ 2'	108	97
880-4426-3	FL 10 @ 2'	116	93
880-4426-4	FL 11 @ 2'	111	94
880-4426-5	FL 12 @ 2'	109	98
880-4426-6	FL 13 @ 2'	112	102
880-4426-7	FL 14 @ 2'	110	95
880-4426-7 MS	FL 14 @ 2'	100	94
880-4426-7 MSD	FL 14 @ 2'	99	94
880-4426-8	FL 15 @ 2'	119	94
880-4426-9	EW 1	115	92
880-4426-10	NW 2	117	97
880-4426-11	FL 16 @ 2'	142 S1+	81
880-4426-12	FL 17 @ 4'	113	99
880-4426-13	FL 18 @ 4'	113	95
880-4426-14	FL 19 @ 3'	110	102
LCS 880-5738/1-A	Lab Control Sample	98	92
LCS 880-5758/1-A	Lab Control Sample	93	94
LCSD 880-5738/2-A	Lab Control Sample Dup	95	93
LCSD 880-5758/2-A	Lab Control Sample Dup	97	87
MB 880-5736/5-A	Method Blank	111	90
MB 880-5738/5-A	Method Blank	113	89
MB 880-5758/5-A	Method Blank	112	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-4426-1	NW	107	113
880-4426-2	FL 9 @ 2'	101	107
880-4426-3	FL 10 @ 2'	100	107
880-4426-4	FL 11 @ 2'	98	104
880-4426-5	FL 12 @ 2'	96	104
880-4426-6	FL 13 @ 2'	94	103
880-4426-7	FL 14 @ 2'	95	99
880-4426-8	FL 15 @ 2'	98	103
880-4426-9	EW 1	98	102
880-4426-10	NW 2	102	108
880-4426-11	FL 16 @ 2'	93	107
880-4426-12	FL 17 @ 4'	88	101
880-4426-13	FL 18 @ 4'	89	100
880-4426-14	FL 19 @ 3'	91	108
LCS 880-5827/2-A	Lab Control Sample	105	103
LCS 880-5839/2-A	Lab Control Sample	96	107

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Surrogate Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-5827/3-A	Lab Control Sample Dup	105	106
LCSD 880-5839/3-A	Lab Control Sample Dup	99	105
MB 880-5827/1-A	Method Blank	85	91
MB 880-5839/1-A	Method Blank	85	96

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-5736/5-A

Matrix: Solid

Analysis Batch: 5733

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5736

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		07/28/21 09:33	07/28/21 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/28/21 09:33	07/28/21 13:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/28/21 09:33	07/28/21 13:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/28/21 09:33	07/28/21 13:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/28/21 09:33	07/28/21 13:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/28/21 09:33	07/28/21 13:25	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/28/21 09:33	07/28/21 13:25	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	111		70 - 130	07/28/21 09:33	07/28/21 13:25	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/28/21 09:33	07/28/21 13:25	1

Lab Sample ID: MB 880-5738/5-A

Matrix: Solid

Analysis Batch: 5733

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5738

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		07/28/21 09:41	07/29/21 00:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/28/21 09:41	07/29/21 00:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/28/21 09:41	07/29/21 00:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/28/21 09:41	07/29/21 00:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/28/21 09:41	07/29/21 00:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/28/21 09:41	07/29/21 00:59	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/28/21 09:41	07/29/21 00:59	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	113		70 - 130	07/28/21 09:41	07/29/21 00:59	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/28/21 09:41	07/29/21 00:59	1

Lab Sample ID: LCS 880-5738/1-A

Matrix: Solid

Analysis Batch: 5733

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Benzene	0.100	0.08472		mg/Kg		85	70 - 130
Toluene	0.100	0.09207		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09906		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1997		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09592		mg/Kg		96	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

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

Lab Sample ID: LCSD 880-5738/2-A
 Matrix: Solid
 Analysis Batch: 5733

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 5738

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08718		mg/Kg		87	70 - 130	3	35
Toluene	0.100	0.09107		mg/Kg		91	70 - 130	1	35
Ethylbenzene	0.100	0.09568		mg/Kg		96	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1903		mg/Kg		95	70 - 130	5	35
o-Xylene	0.100	0.09253		mg/Kg		93	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-5758/5-A
 Matrix: Solid
 Analysis Batch: 5782

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 13:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 13:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 13:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/28/21 13:50	07/29/21 13:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/28/21 13:50	07/29/21 13:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/28/21 13:50	07/29/21 13:57	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/28/21 13:50	07/29/21 13:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/28/21 13:50	07/29/21 13:57	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/28/21 13:50	07/29/21 13:57	1

Lab Sample ID: LCS 880-5758/1-A
 Matrix: Solid
 Analysis Batch: 5782

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09258		mg/Kg		93	70 - 130
Toluene	0.100	0.09742		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1016		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130
o-Xylene	0.100	0.09713		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-5758/2-A
 Matrix: Solid
 Analysis Batch: 5782

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 5758

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08634		mg/Kg		86	70 - 130	7	35

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4426-1
SDG: Rural Lea Co, NM

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

Lab Sample ID: LCSD 880-5758/2-A

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5758

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.09449		mg/Kg		94	70 - 130	3	35
Ethylbenzene	0.100	0.1020		mg/Kg		102	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2056		mg/Kg		103	70 - 130	0	35
o-Xylene	0.100	0.09873		mg/Kg		99	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-4426-7 MS

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: FL 14 @ 2'

Prep Type: Total/NA

Prep Batch: 5758

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.100	0.08691		mg/Kg		87	70 - 130
Toluene	<0.00199	U	0.100	0.09062		mg/Kg		90	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09439		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1902		mg/Kg		95	70 - 130
o-Xylene	<0.00199	U	0.100	0.08986		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-4426-7 MSD

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: FL 14 @ 2'

Prep Type: Total/NA

Prep Batch: 5758

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0998	0.08649		mg/Kg		87	70 - 130	0	35
Toluene	<0.00199	U	0.0998	0.08918		mg/Kg		89	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.0998	0.09347		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1879		mg/Kg		94	70 - 130	1	35
o-Xylene	<0.00199	U	0.0998	0.08929		mg/Kg		89	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-5827/1-A

Matrix: Solid

Analysis Batch: 5787

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/29/21 22:14	1

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4426-1
SDG: Rural Lea Co, NM

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

Lab Sample ID: MB 880-5827/1-A

Matrix: Solid

Analysis Batch: 5787

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/29/21 22:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/29/21 22:14	1
Total TPH	<50.0	U	50.0		mg/Kg		07/29/21 14:15	07/29/21 22:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	07/29/21 14:15	07/29/21 22:14	1
o-Terphenyl	91		70 - 130	07/29/21 14:15	07/29/21 22:14	1

Lab Sample ID: LCS 880-5827/2-A

Matrix: Solid

Analysis Batch: 5787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	859.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	782.9		mg/Kg		78	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-5827/3-A

Matrix: Solid

Analysis Batch: 5787

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5827

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	890.8		mg/Kg		89	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	808.0		mg/Kg		81	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: MB 880-5839/1-A

Matrix: Solid

Analysis Batch: 5854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 10:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 10:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 10:23	1
Total TPH	<50.0	U	50.0		mg/Kg		07/29/21 16:40	07/30/21 10:23	1

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

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

Lab Sample ID: MB 880-5839/1-A
 Matrix: Solid
 Analysis Batch: 5854

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5839

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	85		70 - 130	07/29/21 16:40	07/30/21 10:23	1
o-Terphenyl	96		70 - 130	07/29/21 16:40	07/30/21 10:23	1

Lab Sample ID: LCS 880-5839/2-A
 Matrix: Solid
 Analysis Batch: 5854

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							LCS	LCS
Gasoline Range Organics (GRO)-C6-C10	1000	789.3		mg/Kg		79	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	993.9		mg/Kg		99	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	96		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-5839/3-A
 Matrix: Solid
 Analysis Batch: 5854

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 5839

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							LCSD	LCSD	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	765.0		mg/Kg		76	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	1000	948.7		mg/Kg		95	70 - 130	5	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	99		70 - 130
o-Terphenyl	105		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5762/1-A
 Matrix: Solid
 Analysis Batch: 5819

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			07/29/21 17:32	1

Lab Sample ID: LCS 880-5762/2-A
 Matrix: Solid
 Analysis Batch: 5819

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							LCS	LCS
Chloride	250	243.6		mg/Kg		97	90 - 110	

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-5762/3-A
Matrix: Solid
Analysis Batch: 5819

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	243.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-4426-1 MS
Matrix: Solid
Analysis Batch: 5819

Client Sample ID: NW
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	124		248	364.0		mg/Kg		97	90 - 110		

Lab Sample ID: 880-4426-1 MSD
Matrix: Solid
Analysis Batch: 5819

Client Sample ID: NW
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	124		248	363.2		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-4426-11 MS
Matrix: Solid
Analysis Batch: 5819

Client Sample ID: FL 16 @ 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	46.2		250	286.8		mg/Kg		96	90 - 110		

Lab Sample ID: 880-4426-11 MSD
Matrix: Solid
Analysis Batch: 5819

Client Sample ID: FL 16 @ 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	46.2		250	288.4		mg/Kg		97	90 - 110	1	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

GC VOA

Analysis Batch: 5733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-1	NW	Total/NA	Solid	8021B	5738
880-4426-2	FL 9 @ 2'	Total/NA	Solid	8021B	5738
880-4426-3	FL 10 @ 2'	Total/NA	Solid	8021B	5738
880-4426-4	FL 11 @ 2'	Total/NA	Solid	8021B	5738
880-4426-5	FL 12 @ 2'	Total/NA	Solid	8021B	5738
880-4426-6	FL 13 @ 2'	Total/NA	Solid	8021B	5738
MB 880-5736/5-A	Method Blank	Total/NA	Solid	8021B	5736
MB 880-5738/5-A	Method Blank	Total/NA	Solid	8021B	5738
LCS 880-5738/1-A	Lab Control Sample	Total/NA	Solid	8021B	5738
LCSD 880-5738/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5738

Prep Batch: 5736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-5736/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 5738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-1	NW	Total/NA	Solid	5035	
880-4426-2	FL 9 @ 2'	Total/NA	Solid	5035	
880-4426-3	FL 10 @ 2'	Total/NA	Solid	5035	
880-4426-4	FL 11 @ 2'	Total/NA	Solid	5035	
880-4426-5	FL 12 @ 2'	Total/NA	Solid	5035	
880-4426-6	FL 13 @ 2'	Total/NA	Solid	5035	
MB 880-5738/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5738/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5738/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 5758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-7	FL 14 @ 2'	Total/NA	Solid	5035	
880-4426-8	FL 15 @ 2'	Total/NA	Solid	5035	
880-4426-9	EW 1	Total/NA	Solid	5035	
880-4426-10	NW 2	Total/NA	Solid	5035	
880-4426-11	FL 16 @ 2'	Total/NA	Solid	5035	
880-4426-12	FL 17 @ 4'	Total/NA	Solid	5035	
880-4426-13	FL 18 @ 4'	Total/NA	Solid	5035	
880-4426-14	FL 19 @ 3'	Total/NA	Solid	5035	
MB 880-5758/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5758/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5758/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-4426-7 MS	FL 14 @ 2'	Total/NA	Solid	5035	
880-4426-7 MSD	FL 14 @ 2'	Total/NA	Solid	5035	

Analysis Batch: 5782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-7	FL 14 @ 2'	Total/NA	Solid	8021B	5758
880-4426-8	FL 15 @ 2'	Total/NA	Solid	8021B	5758
880-4426-9	EW 1	Total/NA	Solid	8021B	5758
880-4426-10	NW 2	Total/NA	Solid	8021B	5758
880-4426-11	FL 16 @ 2'	Total/NA	Solid	8021B	5758
880-4426-12	FL 17 @ 4'	Total/NA	Solid	8021B	5758

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QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

GC VOA (Continued)

Analysis Batch: 5782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-13	FL 18 @ 4'	Total/NA	Solid	8021B	5758
880-4426-14	FL 19 @ 3'	Total/NA	Solid	8021B	5758
MB 880-5758/5-A	Method Blank	Total/NA	Solid	8021B	5758
LCS 880-5758/1-A	Lab Control Sample	Total/NA	Solid	8021B	5758
LCSD 880-5758/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5758
880-4426-7 MS	FL 14 @ 2'	Total/NA	Solid	8021B	5758
880-4426-7 MSD	FL 14 @ 2'	Total/NA	Solid	8021B	5758

GC Semi VOA

Analysis Batch: 5787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-1	NW	Total/NA	Solid	8015B NM	5827
880-4426-2	FL 9 @ 2'	Total/NA	Solid	8015B NM	5827
880-4426-3	FL 10 @ 2'	Total/NA	Solid	8015B NM	5827
880-4426-4	FL 11 @ 2'	Total/NA	Solid	8015B NM	5827
880-4426-5	FL 12 @ 2'	Total/NA	Solid	8015B NM	5827
880-4426-6	FL 13 @ 2'	Total/NA	Solid	8015B NM	5827
880-4426-7	FL 14 @ 2'	Total/NA	Solid	8015B NM	5827
880-4426-8	FL 15 @ 2'	Total/NA	Solid	8015B NM	5827
880-4426-9	EW 1	Total/NA	Solid	8015B NM	5827
880-4426-10	NW 2	Total/NA	Solid	8015B NM	5827
MB 880-5827/1-A	Method Blank	Total/NA	Solid	8015B NM	5827
LCS 880-5827/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5827
LCSD 880-5827/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5827

Prep Batch: 5827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-1	NW	Total/NA	Solid	8015NM Prep	
880-4426-2	FL 9 @ 2'	Total/NA	Solid	8015NM Prep	
880-4426-3	FL 10 @ 2'	Total/NA	Solid	8015NM Prep	
880-4426-4	FL 11 @ 2'	Total/NA	Solid	8015NM Prep	
880-4426-5	FL 12 @ 2'	Total/NA	Solid	8015NM Prep	
880-4426-6	FL 13 @ 2'	Total/NA	Solid	8015NM Prep	
880-4426-7	FL 14 @ 2'	Total/NA	Solid	8015NM Prep	
880-4426-8	FL 15 @ 2'	Total/NA	Solid	8015NM Prep	
880-4426-9	EW 1	Total/NA	Solid	8015NM Prep	
880-4426-10	NW 2	Total/NA	Solid	8015NM Prep	
MB 880-5827/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5827/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5827/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 5839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-11	FL 16 @ 2'	Total/NA	Solid	8015NM Prep	
880-4426-12	FL 17 @ 4'	Total/NA	Solid	8015NM Prep	
880-4426-13	FL 18 @ 4'	Total/NA	Solid	8015NM Prep	
880-4426-14	FL 19 @ 3'	Total/NA	Solid	8015NM Prep	
MB 880-5839/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5839/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5839/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

GC Semi VOA

Analysis Batch: 5854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-11	FL 16 @ 2'	Total/NA	Solid	8015B NM	5839
880-4426-12	FL 17 @ 4'	Total/NA	Solid	8015B NM	5839
880-4426-13	FL 18 @ 4'	Total/NA	Solid	8015B NM	5839
880-4426-14	FL 19 @ 3'	Total/NA	Solid	8015B NM	5839
MB 880-5839/1-A	Method Blank	Total/NA	Solid	8015B NM	5839
LCS 880-5839/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5839
LCSD 880-5839/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5839

HPLC/IC

Leach Batch: 5762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-1	NW	Soluble	Solid	DI Leach	
880-4426-2	FL 9 @ 2'	Soluble	Solid	DI Leach	
880-4426-3	FL 10 @ 2'	Soluble	Solid	DI Leach	
880-4426-4	FL 11 @ 2'	Soluble	Solid	DI Leach	
880-4426-5	FL 12 @ 2'	Soluble	Solid	DI Leach	
880-4426-6	FL 13 @ 2'	Soluble	Solid	DI Leach	
880-4426-7	FL 14 @ 2'	Soluble	Solid	DI Leach	
880-4426-8	FL 15 @ 2'	Soluble	Solid	DI Leach	
880-4426-9	EW 1	Soluble	Solid	DI Leach	
880-4426-10	NW 2	Soluble	Solid	DI Leach	
880-4426-11	FL 16 @ 2'	Soluble	Solid	DI Leach	
880-4426-12	FL 17 @ 4'	Soluble	Solid	DI Leach	
880-4426-13	FL 18 @ 4'	Soluble	Solid	DI Leach	
880-4426-14	FL 19 @ 3'	Soluble	Solid	DI Leach	
MB 880-5762/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5762/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5762/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4426-1 MS	NW	Soluble	Solid	DI Leach	
880-4426-1 MSD	NW	Soluble	Solid	DI Leach	
880-4426-11 MS	FL 16 @ 2'	Soluble	Solid	DI Leach	
880-4426-11 MSD	FL 16 @ 2'	Soluble	Solid	DI Leach	

Analysis Batch: 5819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4426-1	NW	Soluble	Solid	300.0	5762
880-4426-2	FL 9 @ 2'	Soluble	Solid	300.0	5762
880-4426-3	FL 10 @ 2'	Soluble	Solid	300.0	5762
880-4426-4	FL 11 @ 2'	Soluble	Solid	300.0	5762
880-4426-5	FL 12 @ 2'	Soluble	Solid	300.0	5762
880-4426-6	FL 13 @ 2'	Soluble	Solid	300.0	5762
880-4426-7	FL 14 @ 2'	Soluble	Solid	300.0	5762
880-4426-8	FL 15 @ 2'	Soluble	Solid	300.0	5762
880-4426-9	EW 1	Soluble	Solid	300.0	5762
880-4426-10	NW 2	Soluble	Solid	300.0	5762
880-4426-11	FL 16 @ 2'	Soluble	Solid	300.0	5762
880-4426-12	FL 17 @ 4'	Soluble	Solid	300.0	5762
880-4426-13	FL 18 @ 4'	Soluble	Solid	300.0	5762
880-4426-14	FL 19 @ 3'	Soluble	Solid	300.0	5762
MB 880-5762/1-A	Method Blank	Soluble	Solid	300.0	5762

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QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 5819 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-5762/2-A	Lab Control Sample	Soluble	Solid	300.0	5762
LCSD 880-5762/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5762
880-4426-1 MS	NW	Soluble	Solid	300.0	5762
880-4426-1 MSD	NW	Soluble	Solid	300.0	5762
880-4426-11 MS	FL 16 @ 2'	Soluble	Solid	300.0	5762
880-4426-11 MSD	FL 16 @ 2'	Soluble	Solid	300.0	5762

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: NW

Lab Sample ID: 880-4426-1

Date Collected: 07/26/21 08:00

Matrix: Solid

Date Received: 07/28/21 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5738	07/28/21 11:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5733	07/29/21 07:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 03:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 17:48	CH	XEN MID

Client Sample ID: FL 9 @ 2'

Lab Sample ID: 880-4426-2

Date Collected: 07/26/21 08:05

Matrix: Solid

Date Received: 07/28/21 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5738	07/28/21 11:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5733	07/29/21 08:03	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 03:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 18:04	CH	XEN MID

Client Sample ID: FL 10 @ 2'

Lab Sample ID: 880-4426-3

Date Collected: 07/26/21 08:10

Matrix: Solid

Date Received: 07/28/21 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5738	07/28/21 11:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5733	07/29/21 08:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 04:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 18:09	CH	XEN MID

Client Sample ID: FL 11 @ 2'

Lab Sample ID: 880-4426-4

Date Collected: 07/26/21 08:15

Matrix: Solid

Date Received: 07/28/21 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5738	07/28/21 11:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5733	07/29/21 08:44	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 04:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 18:15	CH	XEN MID

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Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: FL 12 @ 2'

Date Collected: 07/26/21 08:20

Date Received: 07/28/21 10:51

Lab Sample ID: 880-4426-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	5738	07/28/21 11:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5733	07/29/21 09:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 05:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 18:20	CH	XEN MID

Client Sample ID: FL 13 @ 2'

Date Collected: 07/26/21 08:25

Date Received: 07/28/21 10:51

Lab Sample ID: 880-4426-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5738	07/28/21 11:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5733	07/29/21 09:25	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 05:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 18:37	CH	XEN MID

Client Sample ID: FL 14 @ 2'

Date Collected: 07/26/21 09:05

Date Received: 07/28/21 10:51

Lab Sample ID: 880-4426-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5758	07/28/21 13:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 14:26	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 05:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 18:42	CH	XEN MID

Client Sample ID: FL 15 @ 2'

Date Collected: 07/26/21 09:10

Date Received: 07/28/21 10:51

Lab Sample ID: 880-4426-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5758	07/28/21 13:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 14:46	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 06:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 18:47	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Client Sample ID: EW 1

Date Collected: 07/26/21 09:00

Date Received: 07/28/21 10:51

Lab Sample ID: 880-4426-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5758	07/28/21 13:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 15:07	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 06:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 18:53	CH	XEN MID

Client Sample ID: NW 2

Date Collected: 07/26/21 10:10

Date Received: 07/28/21 10:51

Lab Sample ID: 880-4426-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5758	07/28/21 13:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 15:27	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5827	07/29/21 14:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5787	07/30/21 06:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 18:58	CH	XEN MID

Client Sample ID: FL 16 @ 2'

Date Collected: 07/26/21 10:15

Date Received: 07/28/21 10:51

Lab Sample ID: 880-4426-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5758	07/28/21 13:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 15:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5839	07/29/21 16:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5854	07/30/21 12:59	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 19:04	CH	XEN MID

Client Sample ID: FL 17 @ 4'

Date Collected: 07/26/21 13:10

Date Received: 07/28/21 10:51

Lab Sample ID: 880-4426-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5758	07/28/21 13:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 16:08	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5839	07/29/21 16:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5854	07/30/21 13:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 19:20	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

Client Sample ID: FL 18 @ 4'

Lab Sample ID: 880-4426-13

Date Collected: 07/26/21 13:15

Matrix: Solid

Date Received: 07/28/21 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5758	07/28/21 13:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 16:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5839	07/29/21 16:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5854	07/30/21 13:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 19:25	CH	XEN MID

Client Sample ID: FL 19 @ 3'

Lab Sample ID: 880-4426-14

Date Collected: 07/26/21 13:50

Matrix: Solid

Date Received: 07/28/21 10:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5758	07/28/21 13:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 16:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5839	07/29/21 16:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5854	07/30/21 14:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5762	07/28/21 13:57	CH	XEN MID
Soluble	Analysis	300.0		1			5819	07/29/21 19:41	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
SDG: Rural Lea Co, NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

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Method Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4426-1
 SDG: Rural Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-4426-1	NW	Solid	07/26/21 08:00	07/28/21 10:51	
880-4426-2	FL 9 @ 2'	Solid	07/26/21 08:05	07/28/21 10:51	2'
880-4426-3	FL 10 @ 2'	Solid	07/26/21 08:10	07/28/21 10:51	2'
880-4426-4	FL 11 @ 2'	Solid	07/26/21 08:15	07/28/21 10:51	2'
880-4426-5	FL 12 @ 2'	Solid	07/26/21 08:20	07/28/21 10:51	2'
880-4426-6	FL 13 @ 2'	Solid	07/26/21 08:25	07/28/21 10:51	2'
880-4426-7	FL 14 @ 2'	Solid	07/26/21 09:05	07/28/21 10:51	2'
880-4426-8	FL 15 @ 2'	Solid	07/26/21 09:10	07/28/21 10:51	2'
880-4426-9	EW 1	Solid	07/26/21 09:00	07/28/21 10:51	
880-4426-10	NW 2	Solid	07/26/21 10:10	07/28/21 10:51	
880-4426-11	FL 16 @ 2'	Solid	07/26/21 10:15	07/28/21 10:51	2'
880-4426-12	FL 17 @ 4'	Solid	07/26/21 13:10	07/28/21 10:51	4'
880-4426-13	FL 18 @ 4'	Solid	07/26/21 13:15	07/28/21 10:51	4'
880-4426-14	FL 19 @ 3'	Solid	07/26/21 13:50	07/28/21 10:51	3'

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Chain of Custody

Work Order No: 880-4426

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crasitbad NM (432) 704-5440
Phoenix, AZ (480) 355-0900 Atlanta GA (770) 449-8800 Tampa FL (813) 620-2000 West Palm Beach FL (561) 689-6701

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7/30/2021

Project Manager: <u>Joel Lowry</u>	Bill to: (if different)
Company Name: <u>Etech Environmental</u>	Company Name: <u>Goodnight midstream</u>
Address: <u>3100 Plains Hwy</u>	Address:
City, State ZIP: <u>Louingfon, NM 88260</u>	City, State ZIP:
Phone: <u>575 396-2378</u>	Email:

Work Order Comments	
Program <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other	

Project Information						ANALYSIS REQUEST												Preservative Codes		
Project Name: <u>Blueberry SWP 7/3/21</u>	Turn Around		Pres. Code																	
Project Number: <u>14483</u>	Routine <input type="checkbox"/>															MeOH Me				
Project Location: <u>Rural Lea Co NM</u>	Rush															None NO				
Sampler's Name: <u>Miguel Ramirez</u>	Due Date															HNO3 HN				
PO #:	Quote #:		Number of Containers													H2S04 H2				
SAMPLE RECEIPT																HCL HL				
Temp. Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															NaOH Na				
Temperature (°C): <u>4.1/4.6</u>	Thermometer ID: <u>R8</u>															Zn Acetate+ NaOH Zn				
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor: <u>+0.5</u>															TAT starts the day received by the lab if received by 4 00pm				
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Total Containers:															Sample Comments				
Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																				
Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth															
	FL 16 @ 2'	Soil	7/26/21	10:15	2'	1	X	X	X											
	FL 17 @ 4'	Soil	7/26/21	1:10	4'	1	X	X	X											
	FL 18 @ 4'	Soil	7/26/21	1:15	4'	1	X	X	X											
	FL 19 @ 3'	Soil	7/26/21	1:50	3'	1	X	X	X											

Total 200 7 / 6010 200.8 / 6020 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>7/26/21 5:00pm</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>7/29/21 1049</u>

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-4426-1
SDG Number: Rural Lea Co, NM

Login Number: 4426
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing
America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-4477-1
Laboratory Sample Delivery Group: Rural Lea Co, NM
Client Project/Site: Blueberry SWD 7/3/21

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: PM List

Authorized for release by:
8/9/2021 5:28:22 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com



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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Laboratory Job ID: 880-4477-1
SDG: Rural Lea Co, NM

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Job ID: 880-4477-1

Laboratory: Eurofins Xenco, Midland

Narrative

**Job Narrative
880-4477-1**

Receipt

The samples were received on 7/29/2021 11:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: NDEFA @ Surface

Lab Sample ID: 880-4477-1

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 16:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 16:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 16:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 08:30	07/30/21 16:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 16:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 08:30	07/30/21 16:15	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 08:30	07/30/21 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/30/21 08:30	07/30/21 16:15	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/30/21 08:30	07/30/21 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 13:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 13:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 13:04	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	08/02/21 09:50	08/02/21 13:04	1
o-Terphenyl	102		70 - 130	08/02/21 09:50	08/02/21 13:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	395		4.95		mg/Kg			08/05/21 11:04	1

Client Sample ID: NDEFA @ 3'

Lab Sample ID: 880-4477-2

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 16:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 16:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 16:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/30/21 08:30	07/30/21 16:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 16:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/30/21 08:30	07/30/21 16:36	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/30/21 08:30	07/30/21 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/30/21 08:30	07/30/21 16:36	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/30/21 08:30	07/30/21 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 14:06	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: NDEFA @ 3'

Lab Sample ID: 880-4477-2

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 14:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 14:06	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/02/21 09:50	08/02/21 14:06	1
o-Terphenyl	108		70 - 130				08/02/21 09:50	08/02/21 14:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.04		mg/Kg			08/05/21 11:20	1

Client Sample ID: EHA @ Surface

Lab Sample ID: 880-4477-3

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 16:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 16:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 16:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/30/21 08:30	07/30/21 16:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 16:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/30/21 08:30	07/30/21 16:56	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/30/21 08:30	07/30/21 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/30/21 08:30	07/30/21 16:56	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/30/21 08:30	07/30/21 16:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 14:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 14:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 14:26	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/02/21 09:50	08/02/21 14:26	1
o-Terphenyl	111		70 - 130				08/02/21 09:50	08/02/21 14:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.3		4.98		mg/Kg			08/05/21 11:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: EHA @ 1'

Lab Sample ID: 880-4477-4

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 18:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 18:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 18:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/30/21 08:30	07/30/21 18:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 18:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/30/21 08:30	07/30/21 18:18	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/30/21 08:30	07/30/21 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/30/21 08:30	07/30/21 18:18	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/30/21 08:30	07/30/21 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 14:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 14:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 14:46	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/02/21 09:50	08/02/21 14:46	1
o-Terphenyl	114		70 - 130	08/02/21 09:50	08/02/21 14:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.3		4.99		mg/Kg			08/05/21 11:31	1

Client Sample ID: SDEFA @ Surface

Lab Sample ID: 880-4477-5

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 18:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 18:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 18:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/30/21 08:30	07/30/21 18:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 18:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/30/21 08:30	07/30/21 18:38	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/30/21 08:30	07/30/21 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/30/21 08:30	07/30/21 18:38	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/30/21 08:30	07/30/21 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/02/21 09:50	08/02/21 15:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: SDEFA @ Surface

Lab Sample ID: 880-4477-5

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/02/21 09:50	08/02/21 15:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/02/21 09:50	08/02/21 15:07	1
Total TPH	<49.8	U	49.8		mg/Kg		08/02/21 09:50	08/02/21 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/02/21 09:50	08/02/21 15:07	1
o-Terphenyl	113		70 - 130				08/02/21 09:50	08/02/21 15:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	861		5.02		mg/Kg			08/05/21 11:37	1

Client Sample ID: SDEFA @ 3'

Lab Sample ID: 880-4477-6

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 18:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 18:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 18:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/30/21 08:30	07/30/21 18:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:30	07/30/21 18:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/30/21 08:30	07/30/21 18:59	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/30/21 08:30	07/30/21 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/30/21 08:30	07/30/21 18:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/30/21 08:30	07/30/21 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/02/21 09:50	08/02/21 15:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/02/21 09:50	08/02/21 15:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/02/21 09:50	08/02/21 15:27	1
Total TPH	<49.7	U	49.7		mg/Kg		08/02/21 09:50	08/02/21 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/02/21 09:50	08/02/21 15:27	1
o-Terphenyl	106		70 - 130				08/02/21 09:50	08/02/21 15:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.2		4.96		mg/Kg			08/05/21 11:42	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: WDEFA @ Surface

Lab Sample ID: 880-4477-7

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 19:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 19:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 19:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 08:30	07/30/21 19:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 19:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 08:30	07/30/21 19:19	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 08:30	07/30/21 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/30/21 08:30	07/30/21 19:19	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/30/21 08:30	07/30/21 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 15:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 15:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 15:48	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	08/02/21 09:50	08/02/21 15:48	1
o-Terphenyl	102		70 - 130	08/02/21 09:50	08/02/21 15:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8880		49.5		mg/Kg			08/05/21 11:48	10

Client Sample ID: WDEFA @ 3'

Lab Sample ID: 880-4477-8

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:30	07/30/21 19:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:30	07/30/21 19:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:30	07/30/21 19:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/30/21 08:30	07/30/21 19:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:30	07/30/21 19:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/30/21 08:30	07/30/21 19:40	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/30/21 08:30	07/30/21 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/30/21 08:30	07/30/21 19:40	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/30/21 08:30	07/30/21 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 16:08	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: WDEFA @ 3'

Lab Sample ID: 880-4477-8

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 16:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 16:08	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/02/21 09:50	08/02/21 16:08	1
o-Terphenyl	105		70 - 130				08/02/21 09:50	08/02/21 16:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.7		4.95		mg/Kg			08/05/21 11:53	1

Client Sample ID: NDEFB @ Surface

Lab Sample ID: 880-4477-9

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 20:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 20:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 20:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 08:30	07/30/21 20:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 20:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 08:30	07/30/21 20:00	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 08:30	07/30/21 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/30/21 08:30	07/30/21 20:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/30/21 08:30	07/30/21 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 16:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 16:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 16:29	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/02/21 09:50	08/02/21 16:29	1
o-Terphenyl	107		70 - 130				08/02/21 09:50	08/02/21 16:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.0		5.00		mg/Kg			08/06/21 12:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: NDEFB @ 1'

Lab Sample ID: 880-4477-10

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 20:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 20:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 20:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 08:30	07/30/21 20:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 20:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 08:30	07/30/21 20:20	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 08:30	07/30/21 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/30/21 08:30	07/30/21 20:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/30/21 08:30	07/30/21 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 16:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 16:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 16:49	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	08/02/21 09:50	08/02/21 16:49	1
o-Terphenyl	93		70 - 130	08/02/21 09:50	08/02/21 16:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		4.98		mg/Kg			08/06/21 13:03	1

Client Sample ID: EDEFB @ Surface

Lab Sample ID: 880-4477-11

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 20:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 20:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 20:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 08:30	07/30/21 20:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:30	07/30/21 20:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 08:30	07/30/21 20:41	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 08:30	07/30/21 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/30/21 08:30	07/30/21 20:41	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/30/21 08:30	07/30/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 17:30	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: EDEFB @ Surface

Lab Sample ID: 880-4477-11

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	470		50.0		mg/Kg		08/02/21 09:50	08/02/21 17:30	1
Oil Range Organics (Over C28-C36)	260		50.0		mg/Kg		08/02/21 09:50	08/02/21 17:30	1
Total TPH	730		50.0		mg/Kg		08/02/21 09:50	08/02/21 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/02/21 09:50	08/02/21 17:30	1
o-Terphenyl	107		70 - 130				08/02/21 09:50	08/02/21 17:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		24.9		mg/Kg			08/06/21 02:40	5

Client Sample ID: EDEFB@ 4'

Lab Sample ID: 880-4477-12

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/30/21 08:30	07/30/21 21:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/30/21 08:30	07/30/21 21:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/30/21 08:30	07/30/21 21:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/30/21 08:30	07/30/21 21:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/30/21 08:30	07/30/21 21:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/30/21 08:30	07/30/21 21:01	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		07/30/21 08:30	07/30/21 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/30/21 08:30	07/30/21 21:01	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/30/21 08:30	07/30/21 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 17:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 17:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 17:51	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/02/21 09:50	08/02/21 17:51	1
o-Terphenyl	113		70 - 130				08/02/21 09:50	08/02/21 17:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.3		4.99		mg/Kg			08/06/21 02:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: SDEFB @ Surface

Lab Sample ID: 880-4477-13

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 21:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 21:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 21:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 08:30	07/30/21 21:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 21:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 08:30	07/30/21 21:22	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 08:30	07/30/21 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/30/21 08:30	07/30/21 21:22	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/30/21 08:30	07/30/21 21:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:11	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	08/02/21 09:50	08/02/21 18:11	1
o-Terphenyl	106		70 - 130	08/02/21 09:50	08/02/21 18:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6610		49.5		mg/Kg			08/06/21 03:03	10

Client Sample ID: SDEFB@ 3'

Lab Sample ID: 880-4477-14

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 14:59	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		07/30/21 08:15	07/30/21 14:59	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		07/30/21 08:15	07/30/21 14:59	1
m-Xylene & p-Xylene	<0.00400	U F1	0.00400		mg/Kg		07/30/21 08:15	07/30/21 14:59	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		07/30/21 08:15	07/30/21 14:59	1
Xylenes, Total	<0.00400	U F1	0.00400		mg/Kg		07/30/21 08:15	07/30/21 14:59	1
Total BTEX	<0.00400	U F1	0.00400		mg/Kg		07/30/21 08:15	07/30/21 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/30/21 08:15	07/30/21 14:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/30/21 08:15	07/30/21 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

Client Sample ID: SDFB@ 3'

Lab Sample ID: 880-4477-14

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:32	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/02/21 09:50	08/02/21 18:32	1
o-Terphenyl	104		70 - 130				08/02/21 09:50	08/02/21 18:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		5.00		mg/Kg			08/06/21 03:08	1

Client Sample ID: WDFB @ Surface

Lab Sample ID: 880-4477-15

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 15:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 15:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 15:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 08:15	07/30/21 15:20	1
o-Xylene	0.00331		0.00199		mg/Kg		07/30/21 08:15	07/30/21 15:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 08:15	07/30/21 15:20	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 08:15	07/30/21 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				07/30/21 08:15	07/30/21 15:20	1
1,4-Difluorobenzene (Surr)	112		70 - 130				07/30/21 08:15	07/30/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:52	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/02/21 09:50	08/02/21 18:52	1
o-Terphenyl	109		70 - 130				08/02/21 09:50	08/02/21 18:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	662		4.95		mg/Kg			08/06/21 03:14	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: WDEFB@ 3'

Lab Sample ID: 880-4477-16

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 15:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 15:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 15:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 08:15	07/30/21 15:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 15:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 08:15	07/30/21 15:41	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 08:15	07/30/21 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/30/21 08:15	07/30/21 15:41	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/30/21 08:15	07/30/21 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 19:13	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	08/02/21 09:50	08/02/21 19:13	1
o-Terphenyl	103		70 - 130	08/02/21 09:50	08/02/21 19:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.1		4.97		mg/Kg			08/06/21 03:31	1

Client Sample ID: NDEFB @ Surface

Lab Sample ID: 880-4477-17

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 16:01	1
Toluene	0.00206		0.00200		mg/Kg		07/30/21 08:15	07/30/21 16:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 16:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 08:15	07/30/21 16:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 16:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 08:15	07/30/21 16:01	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 08:15	07/30/21 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/30/21 08:15	07/30/21 16:01	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/30/21 08:15	07/30/21 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 19:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

Client Sample ID: NDEFC @ Surface

Lab Sample ID: 880-4477-17

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	106		50.0		mg/Kg		08/02/21 09:50	08/02/21 19:33	1
Oil Range Organics (Over C28-C36)	109		50.0		mg/Kg		08/02/21 09:50	08/02/21 19:33	1
Total TPH	215		50.0		mg/Kg		08/02/21 09:50	08/02/21 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/02/21 09:50	08/02/21 19:33	1
o-Terphenyl	102		70 - 130				08/02/21 09:50	08/02/21 19:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	413		5.02		mg/Kg			08/06/21 03:36	1

Client Sample ID: NDEFC@ 4'

Lab Sample ID: 880-4477-18

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 16:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 16:22	1
Ethylbenzene	0.00227		0.00200		mg/Kg		07/30/21 08:15	07/30/21 16:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 08:15	07/30/21 16:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 16:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 08:15	07/30/21 16:22	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 08:15	07/30/21 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/30/21 08:15	07/30/21 16:22	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/30/21 08:15	07/30/21 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 19:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 19:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 19:53	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 09:50	08/02/21 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/02/21 09:50	08/02/21 19:53	1
o-Terphenyl	114		70 - 130				08/02/21 09:50	08/02/21 19:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.1		5.04		mg/Kg			08/06/21 03:42	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: EDEFC @ Surface

Lab Sample ID: 880-4477-19

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/30/21 08:15	07/30/21 16:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/30/21 08:15	07/30/21 16:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/30/21 08:15	07/30/21 16:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/30/21 08:15	07/30/21 16:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/30/21 08:15	07/30/21 16:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/30/21 08:15	07/30/21 16:43	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		07/30/21 08:15	07/30/21 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/30/21 08:15	07/30/21 16:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/30/21 08:15	07/30/21 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 20:14	1
Diesel Range Organics (Over C10-C28)	94.5		50.0		mg/Kg		08/02/21 09:50	08/02/21 20:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 20:14	1
Total TPH	94.5		50.0		mg/Kg		08/02/21 09:50	08/02/21 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	08/02/21 09:50	08/02/21 20:14	1
o-Terphenyl	103		70 - 130	08/02/21 09:50	08/02/21 20:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4240		24.9		mg/Kg			08/06/21 03:48	5

Client Sample ID: EDEFC@ 3'

Lab Sample ID: 880-4477-20

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 21:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 21:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 21:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 08:15	07/30/21 21:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 21:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 08:15	07/30/21 21:20	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 08:15	07/30/21 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	07/30/21 08:15	07/30/21 21:20	1
1,4-Difluorobenzene (Surr)	113		70 - 130	07/30/21 08:15	07/30/21 21:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 20:34	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

Client Sample ID: EDEFC@ 3'

Lab Sample ID: 880-4477-20

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 20:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 20:34	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/02/21 09:50	08/02/21 20:34	1
o-Terphenyl	106		70 - 130				08/02/21 09:50	08/02/21 20:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.4		5.05		mg/Kg			08/06/21 03:53	1

Client Sample ID: SDEFC @ Surface

Lab Sample ID: 880-4477-21

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:15	07/30/21 21:40	1
Toluene	0.00276		0.00202		mg/Kg		07/30/21 08:15	07/30/21 21:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:15	07/30/21 21:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/30/21 08:15	07/30/21 21:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:15	07/30/21 21:40	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/30/21 08:15	07/30/21 21:40	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/30/21 08:15	07/30/21 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/30/21 08:15	07/30/21 21:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/30/21 08:15	07/30/21 21:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 04:33	1
Diesel Range Organics (Over C10-C28)	176		50.0		mg/Kg		07/30/21 09:57	08/02/21 04:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 04:33	1
Total TPH	176		50.0		mg/Kg		07/30/21 09:57	08/02/21 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/30/21 09:57	08/02/21 04:33	1
o-Terphenyl	136	S1+	70 - 130				07/30/21 09:57	08/02/21 04:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1850		24.9		mg/Kg			08/06/21 03:59	5

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: SDEFC @ 3'

Lab Sample ID: 880-4477-22

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 22:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 22:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 22:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 08:15	07/30/21 22:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 08:15	07/30/21 22:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 08:15	07/30/21 22:01	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 08:15	07/30/21 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	07/30/21 08:15	07/30/21 22:01	1
1,4-Difluorobenzene (Surr)	122		70 - 130	07/30/21 08:15	07/30/21 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 04:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 04:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 04:54	1
Total TPH	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/30/21 09:57	08/02/21 04:54	1
o-Terphenyl	125		70 - 130	07/30/21 09:57	08/02/21 04:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.6		5.04		mg/Kg			08/06/21 04:16	1

Client Sample ID: WDEFC @ Surface

Lab Sample ID: 880-4477-23

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 22:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 22:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 22:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 08:15	07/30/21 22:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 22:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 08:15	07/30/21 22:22	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 08:15	07/30/21 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/30/21 08:15	07/30/21 22:22	1
1,4-Difluorobenzene (Surr)	112		70 - 130	07/30/21 08:15	07/30/21 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 05:14	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: WDEFC @ Surface

Lab Sample ID: 880-4477-23

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 05:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 05:14	1
Total TPH	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/30/21 09:57	08/02/21 05:14	1
o-Terphenyl	133	S1+	70 - 130				07/30/21 09:57	08/02/21 05:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.1		4.96		mg/Kg			08/06/21 04:21	1

Client Sample ID: WDEFC@ 1'

Lab Sample ID: 880-4477-24

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/30/21 23:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/30/21 23:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/30/21 23:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/30/21 08:15	07/30/21 23:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/30/21 23:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/30/21 08:15	07/30/21 23:44	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/30/21 08:15	07/30/21 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				07/30/21 08:15	07/30/21 23:44	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/30/21 08:15	07/30/21 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 05:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 05:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 05:35	1
Total TPH	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/30/21 09:57	08/02/21 05:35	1
o-Terphenyl	135	S1+	70 - 130				07/30/21 09:57	08/02/21 05:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.8		4.99		mg/Kg			08/06/21 09:14	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: SHD @ Surface

Lab Sample ID: 880-4477-25

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/31/21 00:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/31/21 00:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/31/21 00:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/30/21 08:15	07/31/21 00:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/31/21 00:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/30/21 08:15	07/31/21 00:05	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/30/21 08:15	07/31/21 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	07/30/21 08:15	07/31/21 00:05	1
1,4-Difluorobenzene (Surr)	123		70 - 130	07/30/21 08:15	07/31/21 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 05:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 05:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 05:56	1
Total TPH	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 05:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	07/30/21 09:57	08/02/21 05:56	1
o-Terphenyl	111		70 - 130	07/30/21 09:57	08/02/21 05:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.2		4.99		mg/Kg			08/06/21 09:20	1

Client Sample ID: SHD @ 1'

Lab Sample ID: 880-4477-26

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/31/21 00:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/31/21 00:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/31/21 00:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/30/21 08:15	07/31/21 00:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/30/21 08:15	07/31/21 00:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/30/21 08:15	07/31/21 00:25	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/30/21 08:15	07/31/21 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/30/21 08:15	07/31/21 00:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/30/21 08:15	07/31/21 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 06:17	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: SHD @ 1'

Lab Sample ID: 880-4477-26

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 06:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 06:17	1
Total TPH	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 06:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/30/21 09:57	08/02/21 06:17	1
o-Terphenyl	123		70 - 130				07/30/21 09:57	08/02/21 06:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.9		4.95		mg/Kg			08/06/21 09:25	1

Client Sample ID: EHD @ Surface

Lab Sample ID: 880-4477-27

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:15	07/31/21 00:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:15	07/31/21 00:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:15	07/31/21 00:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/30/21 08:15	07/31/21 00:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 08:15	07/31/21 00:46	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/30/21 08:15	07/31/21 00:46	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/30/21 08:15	07/31/21 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/30/21 08:15	07/31/21 00:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/30/21 08:15	07/31/21 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 06:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 06:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 06:38	1
Total TPH	<49.9	U	49.9		mg/Kg		07/30/21 09:57	08/02/21 06:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				07/30/21 09:57	08/02/21 06:38	1
o-Terphenyl	129		70 - 130				07/30/21 09:57	08/02/21 06:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.9		4.97		mg/Kg			08/06/21 09:31	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: EHD @ 1'

Lab Sample ID: 880-4477-28

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/31/21 01:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/31/21 01:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/31/21 01:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 08:15	07/31/21 01:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/31/21 01:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 08:15	07/31/21 01:07	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 08:15	07/31/21 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/30/21 08:15	07/31/21 01:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/30/21 08:15	07/31/21 01:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 06:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 06:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 06:59	1
Total TPH	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/02/21 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	07/30/21 09:57	08/02/21 06:59	1
o-Terphenyl	115		70 - 130	07/30/21 09:57	08/02/21 06:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.3		4.98		mg/Kg			08/06/21 09:36	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-4475-A-36-A MS	Matrix Spike	104	103
880-4475-A-36-B MSD	Matrix Spike Duplicate	104	106
880-4477-1	NDEFA @ Surface	104	100
880-4477-2	NDEFA @ 3'	104	94
880-4477-3	EHA @ Surface	108	96
880-4477-4	EHA @ 1'	93	97
880-4477-5	SDEFA @ Surface	99	98
880-4477-6	SDEFA @ 3'	115	102
880-4477-7	WDEFA @ Surface	115	95
880-4477-8	WDEFA @ 3'	93	97
880-4477-9	NDEFB @ Surface	106	94
880-4477-10	NDEFB @ 1'	94	97
880-4477-11	EDEFB @ Surface	119	101
880-4477-12	EDEFB @ 4'	118	97
880-4477-13	SDEFB @ Surface	115	99
880-4477-14	SDEFB @ 3'	113	108
880-4477-14 MS	SDEFB @ 3'	101	101
880-4477-14 MSD	SDEFB @ 3'	94	94
880-4477-15	WDEFB @ Surface	131 S1+	112
880-4477-16	WDEFB @ 3'	108	87
880-4477-17	NDEFC @ Surface	109	94
880-4477-18	NDEFC @ 4'	115	103
880-4477-19	EDEFC @ Surface	117	101
880-4477-20	EDEFC @ 3'	128	113
880-4477-21	SDEFC @ Surface	103	102
880-4477-22	SDEFC @ 3'	129	122
880-4477-23	WDEFC @ Surface	116	112
880-4477-24	WDEFC @ 1'	95	90
880-4477-25	SHD @ Surface	126	123
880-4477-26	SHD @ 1'	115	101
880-4477-27	EHD @ Surface	105	99
880-4477-28	EHD @ 1'	114	97
LCS 880-5818/1-A	Lab Control Sample	113	103
LCS 880-5820/1-A	Lab Control Sample	85	91
LCSD 880-5818/2-A	Lab Control Sample Dup	104	106
LCSD 880-5820/2-A	Lab Control Sample Dup	92	94
MB 880-5818/5-A	Method Blank	105	92
MB 880-5820/5-A	Method Blank	104	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-4473-A-1-F MS	Matrix Spike	114	115

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Surrogate Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-4473-A-1-G MSD	Matrix Spike Duplicate	109	108
880-4477-1	NDEFA @ Surface	94	102
880-4477-1 MS	NDEFA @ Surface	102	96
880-4477-1 MSD	NDEFA @ Surface	99	94
880-4477-2	NDEFA @ 3'	100	108
880-4477-3	EHA @ Surface	103	111
880-4477-4	EHA @ 1'	105	114
880-4477-5	SDEFA @ Surface	104	113
880-4477-6	SDEFA @ 3'	97	106
880-4477-7	WDEFA @ Surface	95	102
880-4477-8	WDEFA @ 3'	97	105
880-4477-9	NDEFB @ Surface	101	107
880-4477-10	NDEFB @ 1'	91	93
880-4477-11	EDEFB @ Surface	103	107
880-4477-12	EDEFB@ 4'	103	113
880-4477-13	SDEFB @ Surface	100	106
880-4477-14	SDEFB@ 3'	97	104
880-4477-15	WDEFB @ Surface	103	109
880-4477-16	WDEFB@ 3'	96	103
880-4477-17	NDEFC @ Surface	100	102
880-4477-18	NDEFC@ 4'	105	114
880-4477-19	EDEFC @ Surface	97	103
880-4477-20	EDEFC@ 3'	97	106
880-4477-21	SDEFC @ Surface	115	136 S1+
880-4477-22	SDEFC @ 3'	107	125
880-4477-23	WDEFC @ Surface	114	133 S1+
880-4477-24	WDEFC@ 1'	115	135 S1+
880-4477-25	SHD @ Surface	95	111
880-4477-26	SHD @ 1'	105	123
880-4477-27	EHD @ Surface	110	129
880-4477-28	EHD @ 1'	97	115
LCS 880-5863/2-A	Lab Control Sample	120	128
LCS 880-5957/2-A	Lab Control Sample	116	123
LCSD 880-5863/3-A	Lab Control Sample Dup	102	108
LCSD 880-5957/3-A	Lab Control Sample Dup	113	118
MB 880-5863/1-A	Method Blank	95	115
MB 880-5957/1-A	Method Blank	95	108

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-5818/5-A
 Matrix: Solid
 Analysis Batch: 5858

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5818

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 13:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 13:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 13:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 08:30	07/30/21 13:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:30	07/30/21 13:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 08:30	07/30/21 13:13	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 08:30	07/30/21 13:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	105		70 - 130	07/30/21 08:30	07/30/21 13:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/30/21 08:30	07/30/21 13:13	1

Lab Sample ID: LCS 880-5818/1-A
 Matrix: Solid
 Analysis Batch: 5858

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5818

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	0.100	0.09219		mg/Kg		92	70 - 130
Toluene	0.100	0.08576		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08794		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1793		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08956		mg/Kg		90	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-5818/2-A
 Matrix: Solid
 Analysis Batch: 5858

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 5818

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.09404		mg/Kg		94	70 - 130	2	35
Toluene	0.100	0.08706		mg/Kg		87	70 - 130	2	35
Ethylbenzene	0.100	0.08740		mg/Kg		87	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1762		mg/Kg		88	70 - 130	2	35
o-Xylene	0.100	0.08784		mg/Kg		88	70 - 130	2	35

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

Lab Sample ID: 880-4475-A-36-A MS
 Matrix: Solid
 Analysis Batch: 5858

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 5818

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00201	U	0.0996	0.09090		mg/Kg		91	70 - 130

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

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

Lab Sample ID: 880-4475-A-36-A MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5858

Prep Batch: 5818

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				
Toluene	<0.00201	U	0.0996	0.08355		mg/Kg		84	70 - 130
Ethylbenzene	<0.00201	U	0.0996	0.08168		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1662		mg/Kg		83	70 - 130
o-Xylene	<0.00201	U	0.0996	0.08340		mg/Kg		84	70 - 130
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: 880-4475-A-36-B MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5858

Prep Batch: 5818

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Benzene	<0.00201	U	0.0990	0.08963		mg/Kg		91	70 - 130	1	35	
Toluene	<0.00201	U	0.0990	0.08111		mg/Kg		82	70 - 130	3	35	
Ethylbenzene	<0.00201	U	0.0990	0.07870		mg/Kg		79	70 - 130	4	35	
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1588		mg/Kg		80	70 - 130	5	35	
o-Xylene	<0.00201	U	0.0990	0.07955		mg/Kg		80	70 - 130	5	35	
MSD MSD												
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	104		70 - 130									
1,4-Difluorobenzene (Surr)	106		70 - 130									

Lab Sample ID: MB 880-5820/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5862

Prep Batch: 5820

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 14:37		1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 14:37		1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 14:37		1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 08:15	07/30/21 14:37		1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:15	07/30/21 14:37		1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 08:15	07/30/21 14:37		1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 08:15	07/30/21 14:37		1
MB MB										
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil				
4-Bromofluorobenzene (Surr)	104		70 - 130	07/30/21 08:15	07/30/21 14:37					
1,4-Difluorobenzene (Surr)	89		70 - 130	07/30/21 08:15	07/30/21 14:37					

Lab Sample ID: LCS 880-5820/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5862

Prep Batch: 5820

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				
Benzene	0.100	0.09191		mg/Kg		92	70 - 130
Toluene	0.100	0.08376		mg/Kg		84	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

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

Lab Sample ID: LCS 880-5820/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5862

Prep Batch: 5820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.08599		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1752		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08338		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-5820/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5862

Prep Batch: 5820

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09974		mg/Kg		100	70 - 130	8	35
Toluene	0.100	0.08899		mg/Kg		89	70 - 130	6	35
Ethylbenzene	0.100	0.08995		mg/Kg		90	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1907		mg/Kg		95	70 - 130	8	35
o-Xylene	0.100	0.08507		mg/Kg		85	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-4477-14 MS

Client Sample ID: SDEFB@ 3'

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5862

Prep Batch: 5820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.100	0.07235		mg/Kg		72	70 - 130
Toluene	<0.00200	U F1	0.100	0.07395		mg/Kg		73	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.07012	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1	0.200	0.1498		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.07431		mg/Kg		73	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-4477-14 MSD

Client Sample ID: SDEFB@ 3'

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5862

Prep Batch: 5820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U	0.0998	0.07758		mg/Kg		77	70 - 130	7	35
Toluene	<0.00200	U F1	0.0998	0.06828	F1	mg/Kg		68	70 - 130	8	35
Ethylbenzene	<0.00200	U F1	0.0998	0.06068	F1	mg/Kg		59	70 - 130	14	35
m-Xylene & p-Xylene	<0.00400	U F1	0.200	0.1298	F1	mg/Kg		65	70 - 130	14	35
o-Xylene	<0.00200	U F1	0.0998	0.06292	F1	mg/Kg		62	70 - 130	17	35

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

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

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-5863/1-A
 Matrix: Solid
 Analysis Batch: 5934

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5863

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/01/21 22:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/01/21 22:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/01/21 22:39	1
Total TPH	<50.0	U	50.0		mg/Kg		07/30/21 09:57	08/01/21 22:39	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	95		70 - 130	07/30/21 09:57	08/01/21 22:39	1
o-Terphenyl	115		70 - 130	07/30/21 09:57	08/01/21 22:39	1

Lab Sample ID: LCS 880-5863/2-A
 Matrix: Solid
 Analysis Batch: 5934

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	1000	1258		mg/Kg		126	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	120		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: LCSD 880-5863/3-A
 Matrix: Solid
 Analysis Batch: 5934

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 5863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	806.5		mg/Kg		81	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1046		mg/Kg		105	70 - 130	18	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	108		70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

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

Lab Sample ID: 880-4473-A-1-F MS
 Matrix: Solid
 Analysis Batch: 5934

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 5863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	976.7		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)	93.1		996	1188		mg/Kg		110	70 - 130	
		<i>MS</i>	<i>MS</i>							
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>							
1-Chlorooctane	114		70 - 130							
o-Terphenyl	115		70 - 130							

Lab Sample ID: 880-4473-A-1-G MSD
 Matrix: Solid
 Analysis Batch: 5934

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 5863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1079		mg/Kg		108	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	93.1		996	1141		mg/Kg		105	70 - 130	4	20
		<i>MSD</i>	<i>MSD</i>								
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	108		70 - 130								

Lab Sample ID: MB 880-5957/1-A
 Matrix: Solid
 Analysis Batch: 5946

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 12:04	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 12:04	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 12:04	1	
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 09:50	08/02/21 12:04	1	
		<i>MB</i>	<i>MB</i>							
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>				
1-Chlorooctane	95		70 - 130	08/02/21 09:50	08/02/21 12:04	1				
o-Terphenyl	108		70 - 130	08/02/21 09:50	08/02/21 12:04	1				

Lab Sample ID: LCS 880-5957/2-A
 Matrix: Solid
 Analysis Batch: 5946

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	794.3		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1000	937.9		mg/Kg		94	70 - 130

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

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

Lab Sample ID: LCS 880-5957/2-A
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5957

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	116		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: LCSD 880-5957/3-A
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5957

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	824.8		mg/Kg		82	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1000	916.6		mg/Kg		92	70 - 130	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	113		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 880-4477-1 MS
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: NDEFA @ Surface
Prep Type: Total/NA
Prep Batch: 5957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1095		mg/Kg		110	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1050		mg/Kg		105	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-4477-1 MSD
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: NDEFA @ Surface
Prep Type: Total/NA
Prep Batch: 5957

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1062		mg/Kg		107	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1023		mg/Kg		103	70 - 130	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	99		70 - 130
o-Terphenyl	94		70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5875/1-A
 Matrix: Solid
 Analysis Batch: 6066

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/05/21 09:09	1

Lab Sample ID: LCS 880-5875/2-A
 Matrix: Solid
 Analysis Batch: 6066

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	236.2		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-5875/3-A
 Matrix: Solid
 Analysis Batch: 6066

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	235.7		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-4475-A-37-D MS
 Matrix: Solid
 Analysis Batch: 6066

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.93		250	263.7		mg/Kg		103	90 - 110

Lab Sample ID: 880-4475-A-37-E MSD
 Matrix: Solid
 Analysis Batch: 6066

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.93		250	260.9		mg/Kg		102	90 - 110	1	20

Lab Sample ID: MB 880-5980/1-A
 Matrix: Solid
 Analysis Batch: 6067

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/06/21 02:23	1

Lab Sample ID: LCS 880-5980/2-A
 Matrix: Solid
 Analysis Batch: 6067

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-5980/3-A
 Matrix: Solid
 Analysis Batch: 6067

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	259.8		mg/Kg		104	90 - 110	0	20

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-4477-11 MS
 Matrix: Solid
 Analysis Batch: 6067

Client Sample ID: EDEFB @ Surface
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1090		1250	2361		mg/Kg		102	90 - 110

Lab Sample ID: 880-4477-11 MSD
 Matrix: Solid
 Analysis Batch: 6067

Client Sample ID: EDEFB @ Surface
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1090		1250	2360		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-4477-21 MS
 Matrix: Solid
 Analysis Batch: 6067

Client Sample ID: SDEFC @ Surface
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1850		1250	3148		mg/Kg		104	90 - 110

Lab Sample ID: 880-4477-21 MSD
 Matrix: Solid
 Analysis Batch: 6067

Client Sample ID: SDEFC @ Surface
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1850		1250	3147		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-5981/1-A
 Matrix: Solid
 Analysis Batch: 6132

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/06/21 12:29	1

Lab Sample ID: LCS 880-5981/2-A
 Matrix: Solid
 Analysis Batch: 6132

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	253.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-5981/3-A
 Matrix: Solid
 Analysis Batch: 6132

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	253.4		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-4477-9 MS
 Matrix: Solid
 Analysis Batch: 6132

Client Sample ID: NDEFB @ Surface
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	32.0		250	277.5		mg/Kg		98	90 - 110

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-4477-9 MSD

Matrix: Solid

Analysis Batch: 6132

Client Sample ID: NDEFB @ Surface

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	32.0		250	276.9		mg/Kg		98	90 - 110	0	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

GC VOA

Prep Batch: 5818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-1	NDEFA @ Surface	Total/NA	Solid	5035	
880-4477-2	NDEFA @ 3'	Total/NA	Solid	5035	
880-4477-3	EHA @ Surface	Total/NA	Solid	5035	
880-4477-4	EHA @ 1'	Total/NA	Solid	5035	
880-4477-5	SDEFA @ Surface	Total/NA	Solid	5035	
880-4477-6	SDEFA @ 3'	Total/NA	Solid	5035	
880-4477-7	WDEFA @ Surface	Total/NA	Solid	5035	
880-4477-8	WDEFA @ 3'	Total/NA	Solid	5035	
880-4477-9	NDEFB @ Surface	Total/NA	Solid	5035	
880-4477-10	NDEFB @ 1'	Total/NA	Solid	5035	
880-4477-11	EDEFB @ Surface	Total/NA	Solid	5035	
880-4477-12	EDEFB@ 4'	Total/NA	Solid	5035	
880-4477-13	SDEFB @ Surface	Total/NA	Solid	5035	
MB 880-5818/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5818/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5818/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-4475-A-36-A MS	Matrix Spike	Total/NA	Solid	5035	
880-4475-A-36-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 5820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-14	SDEFB@ 3'	Total/NA	Solid	5035	
880-4477-15	WDEFB @ Surface	Total/NA	Solid	5035	
880-4477-16	WDEFB@ 3'	Total/NA	Solid	5035	
880-4477-17	NDEFC @ Surface	Total/NA	Solid	5035	
880-4477-18	NDEFC@ 4'	Total/NA	Solid	5035	
880-4477-19	EDEFC @ Surface	Total/NA	Solid	5035	
880-4477-20	EDEFC@ 3'	Total/NA	Solid	5035	
880-4477-21	SDEFC @ Surface	Total/NA	Solid	5035	
880-4477-22	SDEFC @ 3'	Total/NA	Solid	5035	
880-4477-23	WDEFC @ Surface	Total/NA	Solid	5035	
880-4477-24	WDEFC@ 1'	Total/NA	Solid	5035	
880-4477-25	SHD @ Surface	Total/NA	Solid	5035	
880-4477-26	SHD @ 1'	Total/NA	Solid	5035	
880-4477-27	EHD @ Surface	Total/NA	Solid	5035	
880-4477-28	EHD @ 1'	Total/NA	Solid	5035	
MB 880-5820/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5820/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5820/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-4477-14 MS	SDEFB@ 3'	Total/NA	Solid	5035	
880-4477-14 MSD	SDEFB@ 3'	Total/NA	Solid	5035	

Analysis Batch: 5858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-1	NDEFA @ Surface	Total/NA	Solid	8021B	5818
880-4477-2	NDEFA @ 3'	Total/NA	Solid	8021B	5818
880-4477-3	EHA @ Surface	Total/NA	Solid	8021B	5818
880-4477-4	EHA @ 1'	Total/NA	Solid	8021B	5818
880-4477-5	SDEFA @ Surface	Total/NA	Solid	8021B	5818
880-4477-6	SDEFA @ 3'	Total/NA	Solid	8021B	5818
880-4477-7	WDEFA @ Surface	Total/NA	Solid	8021B	5818

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QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

GC VOA (Continued)

Analysis Batch: 5858 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-8	WDEFA @ 3'	Total/NA	Solid	8021B	5818
880-4477-9	NDEFB @ Surface	Total/NA	Solid	8021B	5818
880-4477-10	NDEFB @ 1'	Total/NA	Solid	8021B	5818
880-4477-11	EDEFB @ Surface	Total/NA	Solid	8021B	5818
880-4477-12	EDEFB@ 4'	Total/NA	Solid	8021B	5818
880-4477-13	SDEFB @ Surface	Total/NA	Solid	8021B	5818
MB 880-5818/5-A	Method Blank	Total/NA	Solid	8021B	5818
LCS 880-5818/1-A	Lab Control Sample	Total/NA	Solid	8021B	5818
LCSD 880-5818/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5818
880-4475-A-36-A MS	Matrix Spike	Total/NA	Solid	8021B	5818
880-4475-A-36-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	5818

Analysis Batch: 5862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-14	SDEFB@ 3'	Total/NA	Solid	8021B	5820
880-4477-15	WDEFB @ Surface	Total/NA	Solid	8021B	5820
880-4477-16	WDEFB@ 3'	Total/NA	Solid	8021B	5820
880-4477-17	NDEFC @ Surface	Total/NA	Solid	8021B	5820
880-4477-18	NDEFC@ 4'	Total/NA	Solid	8021B	5820
880-4477-19	EDEFC @ Surface	Total/NA	Solid	8021B	5820
880-4477-20	EDEFC@ 3'	Total/NA	Solid	8021B	5820
880-4477-21	SDEFC @ Surface	Total/NA	Solid	8021B	5820
880-4477-22	SDEFC @ 3'	Total/NA	Solid	8021B	5820
880-4477-23	WDEFC @ Surface	Total/NA	Solid	8021B	5820
880-4477-24	WDEFC@ 1'	Total/NA	Solid	8021B	5820
880-4477-25	SHD @ Surface	Total/NA	Solid	8021B	5820
880-4477-26	SHD @ 1'	Total/NA	Solid	8021B	5820
880-4477-27	EHD @ Surface	Total/NA	Solid	8021B	5820
880-4477-28	EHD @ 1'	Total/NA	Solid	8021B	5820
MB 880-5820/5-A	Method Blank	Total/NA	Solid	8021B	5820
LCS 880-5820/1-A	Lab Control Sample	Total/NA	Solid	8021B	5820
LCSD 880-5820/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5820
880-4477-14 MS	SDEFB@ 3'	Total/NA	Solid	8021B	5820
880-4477-14 MSD	SDEFB@ 3'	Total/NA	Solid	8021B	5820

GC Semi VOA

Prep Batch: 5863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-21	SDEFC @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-22	SDEFC @ 3'	Total/NA	Solid	8015NM Prep	
880-4477-23	WDEFC @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-24	WDEFC@ 1'	Total/NA	Solid	8015NM Prep	
880-4477-25	SHD @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-26	SHD @ 1'	Total/NA	Solid	8015NM Prep	
880-4477-27	EHD @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-28	EHD @ 1'	Total/NA	Solid	8015NM Prep	
MB 880-5863/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5863/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5863/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-4473-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 5863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 5934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-21	SDEFC @ Surface	Total/NA	Solid	8015B NM	5863
880-4477-22	SDEFC @ 3'	Total/NA	Solid	8015B NM	5863
880-4477-23	WDEFC @ Surface	Total/NA	Solid	8015B NM	5863
880-4477-24	WDEFC @ 1'	Total/NA	Solid	8015B NM	5863
880-4477-25	SHD @ Surface	Total/NA	Solid	8015B NM	5863
880-4477-26	SHD @ 1'	Total/NA	Solid	8015B NM	5863
880-4477-27	EHD @ Surface	Total/NA	Solid	8015B NM	5863
880-4477-28	EHD @ 1'	Total/NA	Solid	8015B NM	5863
MB 880-5863/1-A	Method Blank	Total/NA	Solid	8015B NM	5863
LCS 880-5863/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5863
LCSD 880-5863/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5863
880-4473-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	5863
880-4473-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	5863

Analysis Batch: 5946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-1	NDEFA @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-2	NDEFA @ 3'	Total/NA	Solid	8015B NM	5957
880-4477-3	EHA @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-4	EHA @ 1'	Total/NA	Solid	8015B NM	5957
880-4477-5	SDEFA @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-6	SDEFA @ 3'	Total/NA	Solid	8015B NM	5957
880-4477-7	WDEFA @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-8	WDEFA @ 3'	Total/NA	Solid	8015B NM	5957
880-4477-9	NDEFB @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-10	NDEFB @ 1'	Total/NA	Solid	8015B NM	5957
880-4477-11	EDEFB @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-12	EDEFB @ 4'	Total/NA	Solid	8015B NM	5957
880-4477-13	SDEFB @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-14	SDEFB @ 3'	Total/NA	Solid	8015B NM	5957
880-4477-15	WDEFB @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-16	WDEFB @ 3'	Total/NA	Solid	8015B NM	5957
880-4477-17	NDEFC @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-18	NDEFC @ 4'	Total/NA	Solid	8015B NM	5957
880-4477-19	EDEFC @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-20	EDEFC @ 3'	Total/NA	Solid	8015B NM	5957
MB 880-5957/1-A	Method Blank	Total/NA	Solid	8015B NM	5957
LCS 880-5957/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5957
LCSD 880-5957/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5957
880-4477-1 MS	NDEFA @ Surface	Total/NA	Solid	8015B NM	5957
880-4477-1 MSD	NDEFA @ Surface	Total/NA	Solid	8015B NM	5957

Prep Batch: 5957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-1	NDEFA @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-2	NDEFA @ 3'	Total/NA	Solid	8015NM Prep	
880-4477-3	EHA @ Surface	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 5957 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-4	EHA @ 1'	Total/NA	Solid	8015NM Prep	
880-4477-5	SDEFA @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-6	SDEFA @ 3'	Total/NA	Solid	8015NM Prep	
880-4477-7	WDEFA @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-8	WDEFA @ 3'	Total/NA	Solid	8015NM Prep	
880-4477-9	NDEFB @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-10	NDEFB @ 1'	Total/NA	Solid	8015NM Prep	
880-4477-11	EDEFB @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-12	EDEFB@ 4'	Total/NA	Solid	8015NM Prep	
880-4477-13	SDEFB @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-14	SDEFB@ 3'	Total/NA	Solid	8015NM Prep	
880-4477-15	WDEFB @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-16	WDEFB@ 3'	Total/NA	Solid	8015NM Prep	
880-4477-17	NDEFC @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-18	NDEFC@ 4'	Total/NA	Solid	8015NM Prep	
880-4477-19	EDEFC @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-20	EDEFC@ 3'	Total/NA	Solid	8015NM Prep	
MB 880-5957/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5957/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5957/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-4477-1 MS	NDEFA @ Surface	Total/NA	Solid	8015NM Prep	
880-4477-1 MSD	NDEFA @ Surface	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 5875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-1	NDEFA @ Surface	Soluble	Solid	DI Leach	
880-4477-2	NDEFA @ 3'	Soluble	Solid	DI Leach	
880-4477-3	EHA @ Surface	Soluble	Solid	DI Leach	
880-4477-4	EHA @ 1'	Soluble	Solid	DI Leach	
880-4477-5	SDEFA @ Surface	Soluble	Solid	DI Leach	
880-4477-6	SDEFA @ 3'	Soluble	Solid	DI Leach	
880-4477-7	WDEFA @ Surface	Soluble	Solid	DI Leach	
880-4477-8	WDEFA @ 3'	Soluble	Solid	DI Leach	
MB 880-5875/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5875/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5875/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4475-A-37-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-4475-A-37-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 5980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-11	EDEFB @ Surface	Soluble	Solid	DI Leach	
880-4477-12	EDEFB@ 4'	Soluble	Solid	DI Leach	
880-4477-13	SDEFB @ Surface	Soluble	Solid	DI Leach	
880-4477-14	SDEFB@ 3'	Soluble	Solid	DI Leach	
880-4477-15	WDEFB @ Surface	Soluble	Solid	DI Leach	
880-4477-16	WDEFB@ 3'	Soluble	Solid	DI Leach	
880-4477-17	NDEFC @ Surface	Soluble	Solid	DI Leach	
880-4477-18	NDEFC@ 4'	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 5980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-19	EDEFC @ Surface	Soluble	Solid	DI Leach	
880-4477-20	EDEFC @ 3'	Soluble	Solid	DI Leach	
880-4477-21	SDEFC @ Surface	Soluble	Solid	DI Leach	
880-4477-22	SDEFC @ 3'	Soluble	Solid	DI Leach	
880-4477-23	WDEFC @ Surface	Soluble	Solid	DI Leach	
880-4477-24	WDEFC @ 1'	Soluble	Solid	DI Leach	
880-4477-25	SHD @ Surface	Soluble	Solid	DI Leach	
880-4477-26	SHD @ 1'	Soluble	Solid	DI Leach	
880-4477-27	EHD @ Surface	Soluble	Solid	DI Leach	
880-4477-28	EHD @ 1'	Soluble	Solid	DI Leach	
MB 880-5980/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5980/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5980/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4477-11 MS	EDEFB @ Surface	Soluble	Solid	DI Leach	
880-4477-11 MSD	EDEFB @ Surface	Soluble	Solid	DI Leach	
880-4477-21 MS	SDEFC @ Surface	Soluble	Solid	DI Leach	
880-4477-21 MSD	SDEFC @ Surface	Soluble	Solid	DI Leach	

Leach Batch: 5981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-9	NDEFB @ Surface	Soluble	Solid	DI Leach	
880-4477-10	NDEFB @ 1'	Soluble	Solid	DI Leach	
MB 880-5981/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5981/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5981/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4477-9 MS	NDEFB @ Surface	Soluble	Solid	DI Leach	
880-4477-9 MSD	NDEFB @ Surface	Soluble	Solid	DI Leach	

Analysis Batch: 6066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-1	NDEFA @ Surface	Soluble	Solid	300.0	5875
880-4477-2	NDEFA @ 3'	Soluble	Solid	300.0	5875
880-4477-3	EHA @ Surface	Soluble	Solid	300.0	5875
880-4477-4	EHA @ 1'	Soluble	Solid	300.0	5875
880-4477-5	SDEFA @ Surface	Soluble	Solid	300.0	5875
880-4477-6	SDEFA @ 3'	Soluble	Solid	300.0	5875
880-4477-7	WDEFA @ Surface	Soluble	Solid	300.0	5875
880-4477-8	WDEFA @ 3'	Soluble	Solid	300.0	5875
MB 880-5875/1-A	Method Blank	Soluble	Solid	300.0	5875
LCS 880-5875/2-A	Lab Control Sample	Soluble	Solid	300.0	5875
LCSD 880-5875/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5875
880-4475-A-37-D MS	Matrix Spike	Soluble	Solid	300.0	5875
880-4475-A-37-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	5875

Analysis Batch: 6067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-11	EDEFB @ Surface	Soluble	Solid	300.0	5980
880-4477-12	EDEFB @ 4'	Soluble	Solid	300.0	5980
880-4477-13	SDEFB @ Surface	Soluble	Solid	300.0	5980
880-4477-14	SDEFB @ 3'	Soluble	Solid	300.0	5980
880-4477-15	WDEFB @ Surface	Soluble	Solid	300.0	5980

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 6067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-16	WDEFB@ 3'	Soluble	Solid	300.0	5980
880-4477-17	NDEFB @ Surface	Soluble	Solid	300.0	5980
880-4477-18	NDEFB@ 4'	Soluble	Solid	300.0	5980
880-4477-19	EDEFB @ Surface	Soluble	Solid	300.0	5980
880-4477-20	EDEFB@ 3'	Soluble	Solid	300.0	5980
880-4477-21	SDEFB @ Surface	Soluble	Solid	300.0	5980
880-4477-22	SDEFB @ 3'	Soluble	Solid	300.0	5980
880-4477-23	WDEFB @ Surface	Soluble	Solid	300.0	5980
880-4477-24	WDEFB@ 1'	Soluble	Solid	300.0	5980
880-4477-25	SHD @ Surface	Soluble	Solid	300.0	5980
880-4477-26	SHD @ 1'	Soluble	Solid	300.0	5980
880-4477-27	EHD @ Surface	Soluble	Solid	300.0	5980
880-4477-28	EHD @ 1'	Soluble	Solid	300.0	5980
MB 880-5980/1-A	Method Blank	Soluble	Solid	300.0	5980
LCS 880-5980/2-A	Lab Control Sample	Soluble	Solid	300.0	5980
LCSD 880-5980/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5980
880-4477-11 MS	EDEFB @ Surface	Soluble	Solid	300.0	5980
880-4477-11 MSD	EDEFB @ Surface	Soluble	Solid	300.0	5980
880-4477-21 MS	SDEFB @ Surface	Soluble	Solid	300.0	5980
880-4477-21 MSD	SDEFB @ Surface	Soluble	Solid	300.0	5980

Analysis Batch: 6132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4477-9	NDEFB @ Surface	Soluble	Solid	300.0	5981
880-4477-10	NDEFB @ 1'	Soluble	Solid	300.0	5981
MB 880-5981/1-A	Method Blank	Soluble	Solid	300.0	5981
LCS 880-5981/2-A	Lab Control Sample	Soluble	Solid	300.0	5981
LCSD 880-5981/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5981
880-4477-9 MS	NDEFB @ Surface	Soluble	Solid	300.0	5981
880-4477-9 MSD	NDEFB @ Surface	Soluble	Solid	300.0	5981

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: NDEFA @ Surface

Lab Sample ID: 880-4477-1

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 16:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 13:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5875	07/30/21 11:17	CH	XEN MID
Soluble	Analysis	300.0		1			6066	08/05/21 11:04	CH	XEN MID

Client Sample ID: NDEFA @ 3'

Lab Sample ID: 880-4477-2

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 16:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 14:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5875	07/30/21 11:17	CH	XEN MID
Soluble	Analysis	300.0		1			6066	08/05/21 11:20	CH	XEN MID

Client Sample ID: EHA @ Surface

Lab Sample ID: 880-4477-3

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 16:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 14:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5875	07/30/21 11:17	CH	XEN MID
Soluble	Analysis	300.0		1			6066	08/05/21 11:26	CH	XEN MID

Client Sample ID: EHA @ 1'

Lab Sample ID: 880-4477-4

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 18:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 14:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5875	07/30/21 11:17	CH	XEN MID
Soluble	Analysis	300.0		1			6066	08/05/21 11:31	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: SDEFA @ Surface

Lab Sample ID: 880-4477-5

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 18:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 15:07	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5875	07/30/21 11:17	CH	XEN MID
Soluble	Analysis	300.0		1			6066	08/05/21 11:37	CH	XEN MID

Client Sample ID: SDEFA @ 3'

Lab Sample ID: 880-4477-6

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 18:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 15:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	5875	07/30/21 11:17	CH	XEN MID
Soluble	Analysis	300.0		1			6066	08/05/21 11:42	CH	XEN MID

Client Sample ID: WDEFA @ Surface

Lab Sample ID: 880-4477-7

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 19:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 15:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5875	07/30/21 11:17	CH	XEN MID
Soluble	Analysis	300.0		10			6066	08/05/21 11:48	CH	XEN MID

Client Sample ID: WDEFA @ 3'

Lab Sample ID: 880-4477-8

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 19:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 16:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5875	07/30/21 11:17	CH	XEN MID
Soluble	Analysis	300.0		1			6066	08/05/21 11:53	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: NDEFB @ Surface

Lab Sample ID: 880-4477-9

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 20:00	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 16:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5981	08/02/21 14:13	CH	XEN MID
Soluble	Analysis	300.0		1			6132	08/06/21 12:46	CH	XEN MID

Client Sample ID: NDEFB @ 1'

Lab Sample ID: 880-4477-10

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 20:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 16:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5981	08/02/21 14:13	CH	XEN MID
Soluble	Analysis	300.0		1			6132	08/06/21 13:03	CH	XEN MID

Client Sample ID: EDEFB @ Surface

Lab Sample ID: 880-4477-11

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 20:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 17:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		5			6067	08/06/21 02:40	CH	XEN MID

Client Sample ID: EDEFB@ 4'

Lab Sample ID: 880-4477-12

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 21:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 17:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 02:57	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

Client Sample ID: SDEFB @ Surface

Lab Sample ID: 880-4477-13

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5818	07/30/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/30/21 21:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 18:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		10			6067	08/06/21 03:03	CH	XEN MID

Client Sample ID: SDEFB@ 3'

Lab Sample ID: 880-4477-14

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 14:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 18:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 03:08	CH	XEN MID

Client Sample ID: WDEFB @ Surface

Lab Sample ID: 880-4477-15

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 15:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 18:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 03:14	CH	XEN MID

Client Sample ID: WDEFB@ 3'

Lab Sample ID: 880-4477-16

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 15:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 19:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 03:31	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: NDEFC @ Surface

Lab Sample ID: 880-4477-17

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 16:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 19:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 03:36	CH	XEN MID

Client Sample ID: NDEFC@ 4'

Lab Sample ID: 880-4477-18

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 16:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 19:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 03:42	CH	XEN MID

Client Sample ID: EDEFC @ Surface

Lab Sample ID: 880-4477-19

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 16:43	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 20:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		5			6067	08/06/21 03:48	CH	XEN MID

Client Sample ID: EDEFC@ 3'

Lab Sample ID: 880-4477-20

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 21:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5957	08/02/21 09:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5946	08/02/21 20:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 03:53	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: SDEFC @ Surface

Lab Sample ID: 880-4477-21

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 21:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 04:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		5			6067	08/06/21 03:59	CH	XEN MID

Client Sample ID: SDEFC @ 3'

Lab Sample ID: 880-4477-22

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 22:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 04:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 04:16	CH	XEN MID

Client Sample ID: WDEFC @ Surface

Lab Sample ID: 880-4477-23

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 22:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 05:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 04:21	CH	XEN MID

Client Sample ID: WDEFC@ 1'

Lab Sample ID: 880-4477-24

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/30/21 23:44	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 05:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 09:14	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Client Sample ID: SHD @ Surface

Lab Sample ID: 880-4477-25

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 00:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 05:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 09:20	CH	XEN MID

Client Sample ID: SHD @ 1'

Lab Sample ID: 880-4477-26

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 00:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 06:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 09:25	CH	XEN MID

Client Sample ID: EHD @ Surface

Lab Sample ID: 880-4477-27

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 00:46	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 06:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 09:31	CH	XEN MID

Client Sample ID: EHD @ 1'

Lab Sample ID: 880-4477-28

Date Collected: 07/27/21 00:00

Matrix: Solid

Date Received: 07/29/21 11:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	5820	07/30/21 08:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 01:07	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 06:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5980	08/02/21 14:10	CH	XEN MID
Soluble	Analysis	300.0		1			6067	08/06/21 09:36	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
SDG: Rural Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Blueberry SWD 7/3/21

Job ID: 880-4477-1
 SDG: Rural Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-4477-1	NDEFA @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-2	NDEFA @ 3'	Solid	07/27/21 00:00	07/29/21 11:18	3'
880-4477-3	EHA @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-4	EHA @ 1'	Solid	07/27/21 00:00	07/29/21 11:18	1'
880-4477-5	SDEFA @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-6	SDEFA @ 3'	Solid	07/27/21 00:00	07/29/21 11:18	3'
880-4477-7	WDEFA @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-8	WDEFA @ 3'	Solid	07/27/21 00:00	07/29/21 11:18	3'
880-4477-9	NDEFB @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-10	NDEFB @ 1'	Solid	07/27/21 00:00	07/29/21 11:18	1'
880-4477-11	EDEFB @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-12	EDEFB@ 4'	Solid	07/27/21 00:00	07/29/21 11:18	4'
880-4477-13	SDEFB @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-14	SDEFB@ 3'	Solid	07/27/21 00:00	07/29/21 11:18	3'
880-4477-15	WDEFB @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-16	WDEFB@ 3'	Solid	07/27/21 00:00	07/29/21 11:18	3'
880-4477-17	NDEFC @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-18	NDEFC@ 4'	Solid	07/27/21 00:00	07/29/21 11:18	4'
880-4477-19	EDEFC @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-20	EDEFC@ 3'	Solid	07/27/21 00:00	07/29/21 11:18	3'
880-4477-21	SDEFC @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-22	SDEFC @ 3'	Solid	07/27/21 00:00	07/29/21 11:18	3'
880-4477-23	WDEFC @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-24	WDEFC@ 1'	Solid	07/27/21 00:00	07/29/21 11:18	1'
880-4477-25	SHD @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-26	SHD @ 1'	Solid	07/27/21 00:00	07/29/21 11:18	1'
880-4477-27	EHD @ Surface	Solid	07/27/21 00:00	07/29/21 11:18	
880-4477-28	EHD @ 1'	Solid	07/27/21 00:00	07/29/21 11:18	1'



Chain of Custody

Houston TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio
 Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-12
 Phoenix, AZ (480) 355-0900 Atlanta GA (770) 449-8800 Tampa FL (813) 620-2000 W



er No: 880-4477 8/9/2021
 880-4477 Chain of Custody com Page 1 of 3

Project Manager: <u>Joel Lowry</u>	Bill to: (if different)
Company Name: <u>Etech Environmental</u>	Company Name: <u>Goodnight Midstream</u>
Address: <u>3100 Plains Hwy</u>	Address:
City, State ZIP: <u>Lovington, NM 88260</u>	City, State ZIP:
Phone: <u>575-396-2378</u>	Email: <u>PM@etechnv.com</u>

Order Comments

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project
 Reporting Level II Level III PST/UST TRRP Level IV
 Deliverables EDD ADaPT Other

Project Name: <u>Blueberry SWD 7/3/21</u>		Turn Around		ANALYSIS REQUEST												Preservative Codes					
Project Number: <u>14433</u>		Routine <input checked="" type="checkbox"/>														MeOH Me					
Project Location: <u>Rural Lea Co, NM</u>		Rush														None NO					
Sampler's Name: <u>Miguel Ramirez</u>		Due Date														HNO3 HN					
PO #:		Quote #:														H2SO4 H2					
SAMPLE RECEIPT		Temp Blank: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Number of Containers <u>Chlorides</u> <u>BTEX</u> <u>TPH</u>												HCL HL			
Temperature (°C): <u>2.5/3.0</u>		Thermometer ID: <u>128</u>																NaOH Na			
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor: <u>+0.5</u>																Zn Acetate+ NaOH Zn			
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (N/A)		Total Containers:																TAT starts the day received by the lab if received by 4 00pm			
Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (N/A)																		Sample Comments			
Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth																
	<u>NDEFA @ surface</u>	<u>Soil</u>	<u>7/27/21</u>		<u>1'</u>	<u>*</u>	<u>X</u>	<u>X</u>	<u>X</u>												
	<u>NDEFA @ 3'</u>				<u>3'</u>																
	<u>EHA @ surface</u>				<u>1'</u>																
	<u>EHA @ 1'</u>				<u>1'</u>																
	<u>SDEFA @ surface</u>				<u>1'</u>																
	<u>SDEFA @ 3'</u>				<u>3'</u>																
	<u>WDEFA @ surface</u>				<u>1'</u>																
	<u>WDEFA @ 3'</u>				<u>3'</u>																
	<u>NDEFB @ surface</u>				<u>1'</u>																
	<u>NDEFB @ 1'</u>				<u>1'</u>																

Total 200.7 / 6010 200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Esper Cautlo</u>	<u>7-27-21 5:02</u>	<u>[Signature]</u>	<u>Kalm</u>	<u>7/29 1118</u>



Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
 Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296 Corsland NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa FL (813) 620-2000 West Palm Beach FL (561) 689-6701

Work Order No: 890-4477

8/9/2021

www.xenco.com Page 3 of 3

Project Manager: <u>Joel Lowry</u>	Bill to: (if different)
Company Name: <u>ETech Environmental</u>	Company Name: <u>Goodnight Midstream</u>
Address: <u>3100 Plains Hwy</u>	Address:
City, State ZIP: <u>Loveington, NM 88260</u>	City, State ZIP:
Phone: <u>575-396-2378</u>	Email: <u>PM@etechenv.com</u>

Work Order Comments	
Program. UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other

Project Information						ANALYSIS REQUEST										Preservative Codes	
Project Name: <u>Blueberry SWD 7/3/21</u>	Turn Around	Project Number: <u>14433</u>	Routine <input checked="" type="checkbox"/>	Project Location: <u>Rural Lea Co, NM</u>	Rush											MeOH Me	
Sampler's Name: <u>Miguel Ramirez</u>	Due Date	Quote #:		PO #:												None NO	
SAMPLE RECEIPT		Temp Blank: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													HNO3 HN	
Temperature (°C): <u>2.5/3.0</u>	Thermometer ID: <u>128</u>															H2SO4 H2	
Received Intact: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor: <u>+0.0</u>															HCL HL	
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Total Containers:															NaOH Na	
Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																Zn Acetate+ NaOH Zn	
Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	BTEX	TPH								TAT starts the day received by the lab if received by 4 00pm
	SDFEC @ surface	Soil	7/27/21		1'	1	X	X	X								Sample Comments
	SDFEC @ 3'				3'												
	WDFEC @ surface				1'												
	WDFEC @ 1'				1'												
	SHD @ surface				1'												
	SHD @ 1'				1'												
	6 EHD @ surface				1'												
	EHD @ 1'				1'												

Total 200.7 / 6010 200 8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Eppa Carullo</u>	<u>7/27/21 5:02</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>7/29 11:18</u>

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-4477-1

SDG Number: Rural Lea Co, NM

Login Number: 4477

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No times on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





Environment Testing
America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-4522-1
Laboratory Sample Delivery Group: Rural Lea Co, MN
Client Project/Site: Goodnight Midstream

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: Joel Lowry

Authorized for release by:
8/9/2021 4:01:00 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com



LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Laboratory Job ID: 880-4522-1
SDG: Rural Lea Co, MN

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Job ID: 880-4522-1

Laboratory: Eurofins Xenco, Midland

Narrative

**Job Narrative
880-4522-1**

Receipt

The samples were received on 7/30/2021 10:27 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight MidstreamJob ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL20 @ 2'

Lab Sample ID: 880-4522-1

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 16:50	07/31/21 17:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 16:50	07/31/21 17:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 16:50	07/31/21 17:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 16:50	07/31/21 17:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 16:50	07/31/21 17:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 16:50	07/31/21 17:23	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 16:50	07/31/21 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/30/21 16:50	07/31/21 17:23	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/30/21 16:50	07/31/21 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 16:24	08/03/21 12:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 16:24	08/03/21 12:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 16:24	08/03/21 12:43	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 16:24	08/03/21 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/02/21 16:24	08/03/21 12:43	1
o-Terphenyl	105		70 - 130				08/02/21 16:24	08/03/21 12:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.95		mg/Kg			08/06/21 17:39	1

Client Sample ID: FL21 @ 2'

Lab Sample ID: 880-4522-2

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 16:50	07/31/21 17:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 16:50	07/31/21 17:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 16:50	07/31/21 17:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 16:50	07/31/21 17:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 16:50	07/31/21 17:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 16:50	07/31/21 17:43	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 16:50	07/31/21 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/30/21 16:50	07/31/21 17:43	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/30/21 16:50	07/31/21 17:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight MidstreamJob ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL21 @ 2'

Lab Sample ID: 880-4522-2

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 16:24	08/03/21 13:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 16:24	08/03/21 13:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 16:24	08/03/21 13:45	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 16:24	08/03/21 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	08/02/21 16:24	08/03/21 13:45	1
o-Terphenyl	110		70 - 130	08/02/21 16:24	08/03/21 13:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.8		4.99		mg/Kg			08/06/21 17:47	1

Client Sample ID: FL22 @ 2'

Lab Sample ID: 880-4522-3

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 16:50	07/31/21 18:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/30/21 16:50	07/31/21 18:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 16:50	07/31/21 18:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/30/21 16:50	07/31/21 18:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 16:50	07/31/21 18:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/30/21 16:50	07/31/21 18:04	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/30/21 16:50	07/31/21 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/30/21 16:50	07/31/21 18:04	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/30/21 16:50	07/31/21 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 10:05	08/02/21 18:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 10:05	08/02/21 18:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 10:05	08/02/21 18:52	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 10:05	08/02/21 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	08/02/21 10:05	08/02/21 18:52	1
o-Terphenyl	131	S1+	70 - 130	08/02/21 10:05	08/02/21 18:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.7		5.02		mg/Kg			08/06/21 17:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL23 @ 2'

Lab Sample ID: 880-4522-4

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 16:50	07/31/21 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 16:50	07/31/21 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 16:50	07/31/21 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 16:50	07/31/21 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 16:50	07/31/21 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 16:50	07/31/21 18:24	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 16:50	07/31/21 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				07/30/21 16:50	07/31/21 18:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130				07/30/21 16:50	07/31/21 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 19:13	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				08/02/21 10:05	08/02/21 19:13	1
o-Terphenyl	135	S1+	70 - 130				08/02/21 10:05	08/02/21 19:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.95		mg/Kg			08/06/21 18:16	1

Client Sample ID: FL24 @ 2'

Lab Sample ID: 880-4522-5

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 16:50	07/31/21 18:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 16:50	07/31/21 18:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 16:50	07/31/21 18:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 16:50	07/31/21 18:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 16:50	07/31/21 18:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 16:50	07/31/21 18:45	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 16:50	07/31/21 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/30/21 16:50	07/31/21 18:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/30/21 16:50	07/31/21 18:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

Client Sample ID: FL24 @ 2'

Lab Sample ID: 880-4522-5

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 19:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 19:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 19:33	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/02/21 10:05	08/02/21 19:33	1
o-Terphenyl	127		70 - 130	08/02/21 10:05	08/02/21 19:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.0		4.97		mg/Kg			08/06/21 18:24	1

Client Sample ID: FL25 @ 2'

Lab Sample ID: 880-4522-6

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00000000	U	0.00000000		mg/Kg		07/30/21 16:50	07/31/21 19:05	1
	000200		0000200						
Toluene	<0.00000000	U	0.00000000		mg/Kg		07/30/21 16:50	07/31/21 19:05	1
	000200		0000200						
Ethylbenzene	<0.00000000	U	0.00000000		mg/Kg		07/30/21 16:50	07/31/21 19:05	1
	000200		0000200						
m-Xylene & p-Xylene	<0.00000000	U	0.00000000		mg/Kg		07/30/21 16:50	07/31/21 19:05	1
	000400		0000400						
o-Xylene	<0.00000000	U	0.00000000		mg/Kg		07/30/21 16:50	07/31/21 19:05	1
	000200		0000200						
Xylenes, Total	<0.00000000	U	0.00000000		mg/Kg		07/30/21 16:50	07/31/21 19:05	1
	000400		0000400						
Total BTEX	<0.00000000	U	0.00000000		mg/Kg		07/30/21 16:50	07/31/21 19:05	1
	000400		0000400						

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/30/21 16:50	07/31/21 19:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/30/21 16:50	07/31/21 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	84.8		49.9		mg/Kg		08/02/21 10:05	08/02/21 19:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 10:05	08/02/21 19:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 10:05	08/02/21 19:53	1
Total TPH	84.8		49.9		mg/Kg		08/02/21 10:05	08/02/21 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	08/02/21 10:05	08/02/21 19:53	1
o-Terphenyl	122		70 - 130	08/02/21 10:05	08/02/21 19:53	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL25 @ 2'

Lab Sample ID: 880-4522-6

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.1		4.95		mg/Kg			08/06/21 18:46	1

Client Sample ID: FL26 @ 2'

Lab Sample ID: 880-4522-7

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00238		0.00199		mg/Kg		07/30/21 11:46	07/31/21 17:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 17:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 17:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 17:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 17:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 17:15	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/30/21 11:46	07/31/21 17:15	1
1,4-Difluorobenzene (Surr)	110		70 - 130				07/30/21 11:46	07/31/21 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 20:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 20:14	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/02/21 10:05	08/02/21 20:14	1
o-Terphenyl	127		70 - 130				08/02/21 10:05	08/02/21 20:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.0		4.98		mg/Kg			08/06/21 18:54	1

Client Sample ID: FL27 @ 2'

Lab Sample ID: 880-4522-8

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 17:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 17:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 17:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 11:46	07/31/21 17:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 17:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 11:46	07/31/21 17:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL27 @ 2'

Lab Sample ID: 880-4522-8

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 11:46	07/31/21 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/30/21 11:46	07/31/21 17:36	1
1,4-Difluorobenzene (Surr)	108		70 - 130				07/30/21 11:46	07/31/21 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 20:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 20:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 20:34	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/02/21 10:05	08/02/21 20:34	1
o-Terphenyl	121		70 - 130				08/02/21 10:05	08/02/21 20:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.2		5.00		mg/Kg			08/06/21 19:01	1

Client Sample ID: FL28 @ 2'

Lab Sample ID: 880-4522-9

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 17:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 17:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 17:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 11:46	07/31/21 17:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 17:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 11:46	07/31/21 17:57	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 11:46	07/31/21 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/30/21 11:46	07/31/21 17:57	1
1,4-Difluorobenzene (Surr)	106		70 - 130				07/30/21 11:46	07/31/21 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 08:51	08/02/21 18:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 08:51	08/02/21 18:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 08:51	08/02/21 18:06	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 08:51	08/02/21 18:06	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL28 @ 2'

Lab Sample ID: 880-4522-9

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	08/02/21 08:51	08/02/21 18:06	1
o-Terphenyl	127		70 - 130	08/02/21 08:51	08/02/21 18:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.0		4.99		mg/Kg			08/06/21 19:09	1

Client Sample ID: FL29 @ 2'

Lab Sample ID: 880-4522-10

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 11:46	07/31/21 18:17	1
Toluene	0.00285		0.00202		mg/Kg		07/30/21 11:46	07/31/21 18:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 11:46	07/31/21 18:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/30/21 11:46	07/31/21 18:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 11:46	07/31/21 18:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/30/21 11:46	07/31/21 18:17	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/30/21 11:46	07/31/21 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/30/21 11:46	07/31/21 18:17	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/30/21 11:46	07/31/21 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 18:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 18:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 18:27	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/02/21 08:51	08/02/21 18:27	1
o-Terphenyl	119		70 - 130	08/02/21 08:51	08/02/21 18:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.5		5.00		mg/Kg			08/06/21 19:16	1

Client Sample ID: FL30 @ 2'

Lab Sample ID: 880-4522-11

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/30/21 11:46	07/31/21 18:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/30/21 11:46	07/31/21 18:38	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight MidstreamJob ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL30 @ 2'

Lab Sample ID: 880-4522-11

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/30/21 11:46	07/31/21 18:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/30/21 11:46	07/31/21 18:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/30/21 11:46	07/31/21 18:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/30/21 11:46	07/31/21 18:38	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		07/30/21 11:46	07/31/21 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/30/21 11:46	07/31/21 18:38	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/30/21 11:46	07/31/21 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 18:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 18:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 18:48	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	08/02/21 08:51	08/02/21 18:48	1
o-Terphenyl	134	S1+	70 - 130	08/02/21 08:51	08/02/21 18:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		4.99		mg/Kg			08/03/21 20:11	1

Client Sample ID: FL31 @ 2'

Lab Sample ID: 880-4522-12

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 18:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 18:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 18:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 18:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 18:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 18:59	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/30/21 11:46	07/31/21 18:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/30/21 11:46	07/31/21 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/02/21 08:51	08/02/21 19:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight MidstreamJob ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL31 @ 2'

Lab Sample ID: 880-4522-12

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/02/21 08:51	08/02/21 19:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/02/21 08:51	08/02/21 19:09	1
Total TPH	<49.9	U	49.9		mg/Kg		08/02/21 08:51	08/02/21 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/02/21 08:51	08/02/21 19:09	1
o-Terphenyl	113		70 - 130				08/02/21 08:51	08/02/21 19:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		5.00		mg/Kg			08/03/21 20:17	1

Client Sample ID: FL32 @ 2'

Lab Sample ID: 880-4522-13

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 19:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 19:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 19:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 19:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 19:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 19:20	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				07/30/21 11:46	07/31/21 19:20	1
1,4-Difluorobenzene (Surr)	114		70 - 130				07/30/21 11:46	07/31/21 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 19:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 19:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 19:30	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				08/02/21 08:51	08/02/21 19:30	1
o-Terphenyl	119		70 - 130				08/02/21 08:51	08/02/21 19:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.2		5.00		mg/Kg			08/03/21 20:22	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL33 @ 2'

Lab Sample ID: 880-4522-14

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 19:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 19:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 19:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 19:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 11:46	07/31/21 19:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 19:40	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 11:46	07/31/21 19:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/30/21 11:46	07/31/21 19:40	1
1,4-Difluorobenzene (Surr)	107		70 - 130				07/30/21 11:46	07/31/21 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 19:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 19:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 19:51	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/02/21 08:51	08/02/21 19:51	1
o-Terphenyl	125		70 - 130				08/02/21 08:51	08/02/21 19:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.9		4.97		mg/Kg			08/03/21 20:28	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-4511-A-41-A MS	Matrix Spike	115	108
880-4511-A-41-B MSD	Matrix Spike Duplicate	120	109
880-4522-1	FL20 @ 2'	115	98
880-4522-2	FL21 @ 2'	113	97
880-4522-3	FL22 @ 2'	115	94
880-4522-4	FL23 @ 2'	117	101
880-4522-5	FL24 @ 2'	118	98
880-4522-6	FL25 @ 2'	119	98
880-4522-7	FL26 @ 2'	108	110
880-4522-7 MS	FL26 @ 2'	111	106
880-4522-7 MSD	FL26 @ 2'	105	101
880-4522-8	FL27 @ 2'	112	108
880-4522-9	FL28 @ 2'	105	106
880-4522-10	FL29 @ 2'	102	98
880-4522-11	FL30 @ 2'	90	92
880-4522-12	FL31 @ 2'	96	95
880-4522-13	FL32 @ 2'	117	114
880-4522-14	FL33 @ 2'	111	107
LCS 880-5842/1-A	Lab Control Sample	116	106
LCS 880-5878/1-A	Lab Control Sample	89	90
LCSD 880-5842/2-A	Lab Control Sample Dup	120	106
LCSD 880-5878/2-A	Lab Control Sample Dup	93	97
MB 880-5826/5-A	Method Blank	99	98
MB 880-5832/5-A	Method Blank	115	91
MB 880-5842/5-A	Method Blank	110	94
MB 880-5878/5-A	Method Blank	98	84

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-4475-A-17-I MS	Matrix Spike	103	105
880-4475-A-17-J MSD	Matrix Spike Duplicate	103	109
880-4522-1	FL20 @ 2'	91	105
880-4522-1 MS	FL20 @ 2'	91	94
880-4522-1 MSD	FL20 @ 2'	91	93
880-4522-2	FL21 @ 2'	97	110
880-4522-3	FL22 @ 2'	109	131 S1+
880-4522-4	FL23 @ 2'	114	135 S1+
880-4522-5	FL24 @ 2'	105	127
880-4522-6	FL25 @ 2'	101	122
880-4522-7	FL26 @ 2'	104	127
880-4522-8	FL27 @ 2'	101	121
880-4522-9	FL28 @ 2'	116	127

Eurofins Xenco, Midland

Surrogate Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-4522-10	FL29 @ 2'	105	119
880-4522-11	FL30 @ 2'	119	134 S1+
880-4522-12	FL31 @ 2'	99	113
880-4522-13	FL32 @ 2'	108	119
880-4522-14	FL33 @ 2'	110	125
880-4541-A-21-D MS	Matrix Spike	104	102
880-4541-A-21-E MSD	Matrix Spike Duplicate	102	98
LCS 880-5942/2-A	Lab Control Sample	103	111
LCS 880-5958/2-A	Lab Control Sample	116	132 S1+
LCS 880-5987/2-A	Lab Control Sample	103	115
LCSD 880-5942/3-A	Lab Control Sample Dup	116	126
LCSD 880-5958/3-A	Lab Control Sample Dup	117	127
LCSD 880-5987/3-A	Lab Control Sample Dup	95	101
MB 880-5942/1-A	Method Blank	116	144 S1+
MB 880-5958/1-A	Method Blank	93	109
MB 880-5987/1-A	Method Blank	88	102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight MidstreamJob ID: 880-4522-1
SDG: Rural Lea Co, MN

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-5826/5-A

Matrix: Solid

Analysis Batch: 5862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5826

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:00	07/31/21 05:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:00	07/31/21 05:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:00	07/31/21 05:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 08:00	07/31/21 05:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 08:00	07/31/21 05:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 08:00	07/31/21 05:53	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 08:00	07/31/21 05:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				07/30/21 08:00	07/31/21 05:53	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/30/21 08:00	07/31/21 05:53	1

Lab Sample ID: MB 880-5832/5-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5832

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 09:30	07/31/21 00:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 09:30	07/31/21 00:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 09:30	07/31/21 00:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 09:30	07/31/21 00:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 09:30	07/31/21 00:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 09:30	07/31/21 00:22	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 09:30	07/31/21 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/30/21 09:30	07/31/21 00:22	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/30/21 09:30	07/31/21 00:22	1

Lab Sample ID: MB 880-5842/5-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5842

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/29/21 16:50	07/31/21 11:13	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/29/21 16:50	07/31/21 11:13	1

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

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

Lab Sample ID: LCS 880-5842/1-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1067		mg/Kg		107	70 - 130
Toluene	0.100	0.1013		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09815		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1989		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1018		mg/Kg		102	70 - 130

Surrogate	%Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-5842/2-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5842

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1040		mg/Kg		104	70 - 130	3	35
Toluene	0.100	0.1014		mg/Kg		101	70 - 130	0	35
Ethylbenzene	0.100	0.09695		mg/Kg		97	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1950		mg/Kg		98	70 - 130	2	35
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130	1	35

Surrogate	%Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-4511-A-41-A MS

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 5842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.100	0.08263		mg/Kg		82	70 - 130
Toluene	0.00301		0.100	0.07945		mg/Kg		76	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07576		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1503		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U	0.100	0.07687		mg/Kg		77	70 - 130

Surrogate	%Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-4511-A-41-B MSD

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 5842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
										RPD	Limit
Benzene	<0.00200	U	0.0994	0.08219		mg/Kg		83	70 - 130	1	35
Toluene	0.00301		0.0994	0.07885		mg/Kg		76	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0994	0.07691		mg/Kg		77	70 - 130	2	35

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

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

Lab Sample ID: 880-4511-A-41-B MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5858

Prep Batch: 5842

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1514		mg/Kg		76	70 - 130	1	35
o-Xylene	<0.00200	U	0.0994	0.07825		mg/Kg		79	70 - 130	2	35
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	120		70 - 130								
1,4-Difluorobenzene (Surr)	109		70 - 130								

Lab Sample ID: MB 880-5878/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5862

Prep Batch: 5878

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 16:53	1	
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 16:53	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 16:53	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 11:46	07/31/21 16:53	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 11:46	07/31/21 16:53	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 11:46	07/31/21 16:53	1	
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 11:46	07/31/21 16:53	1	
		MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	98		70 - 130			07/30/21 11:46	07/31/21 16:53		1	
1,4-Difluorobenzene (Surr)	84		70 - 130			07/30/21 11:46	07/31/21 16:53		1	

Lab Sample ID: LCS 880-5878/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5862

Prep Batch: 5878

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Benzene	0.100	0.1014		mg/Kg		101	70 - 130
Toluene	0.100	0.09208		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08735		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1712		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08575		mg/Kg		86	70 - 130
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	89		70 - 130				
1,4-Difluorobenzene (Surr)	90		70 - 130				

Lab Sample ID: LCSD 880-5878/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 5862

Prep Batch: 5878

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	
		Result	Qualifier				Limits	RPD	Limit
Benzene	0.100	0.1045		mg/Kg		104	70 - 130	3	35
Toluene	0.100	0.09225		mg/Kg		92	70 - 130	0	35
Ethylbenzene	0.100	0.08413		mg/Kg		84	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1764		mg/Kg		88	70 - 130	3	35

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

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

Lab Sample ID: LCSD 880-5878/2-A
 Matrix: Solid
 Analysis Batch: 5862

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 5878

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
o-Xylene	0.100	0.08947		mg/Kg		89	70 - 130	4	35	
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	93		70 - 130							
1,4-Difluorobenzene (Surr)	97		70 - 130							

Lab Sample ID: 880-4522-7 MS
 Matrix: Solid
 Analysis Batch: 5862

Client Sample ID: FL26 @ 2'
 Prep Type: Total/NA
 Prep Batch: 5878

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00238		0.0992	0.1018		mg/Kg		100	70 - 130		
Toluene	<0.00199	U	0.0992	0.09233		mg/Kg		93	70 - 130		
Ethylbenzene	<0.00199	U	0.0992	0.08206		mg/Kg		82	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1754		mg/Kg		88	70 - 130		
o-Xylene	<0.00199	U	0.0992	0.08019		mg/Kg		80	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	111		70 - 130								
1,4-Difluorobenzene (Surr)	106		70 - 130								

Lab Sample ID: 880-4522-7 MSD
 Matrix: Solid
 Analysis Batch: 5862

Client Sample ID: FL26 @ 2'
 Prep Type: Total/NA
 Prep Batch: 5878

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00238		0.100	0.07835		mg/Kg		76	70 - 130	26	35
Toluene	<0.00199	U	0.100	0.08097		mg/Kg		81	70 - 130	13	35
Ethylbenzene	<0.00199	U	0.100	0.07548		mg/Kg		75	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1524		mg/Kg		76	70 - 130	14	35
o-Xylene	<0.00199	U	0.100	0.07306		mg/Kg		72	70 - 130	9	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

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

Lab Sample ID: MB 880-5942/1-A
 Matrix: Solid
 Analysis Batch: 5952

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 10:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 10:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 10:46	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 08:51	08/02/21 10:46	1

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	116		70 - 130	08/02/21 08:51	08/02/21 10:46	1
o-Terphenyl	144	S1+	70 - 130	08/02/21 08:51	08/02/21 10:46	1

Lab Sample ID: LCS 880-5942/2-A
 Matrix: Solid
 Analysis Batch: 5952

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5942

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	1000	1078		mg/Kg		108	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	103		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: LCSD 880-5942/3-A
 Matrix: Solid
 Analysis Batch: 5952

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 5942

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	976.1		mg/Kg		98	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1232		mg/Kg		123	70 - 130	13	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	116		70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: 880-4541-A-21-D MS
 Matrix: Solid
 Analysis Batch: 5952

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 5942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1290		mg/Kg		126	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	104		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-4541-A-21-E MSD
 Matrix: Solid
 Analysis Batch: 5952

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 5942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
										RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1106		mg/Kg		108	70 - 130	0	20

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

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

Lab Sample ID: 880-4541-A-21-E MSD
Matrix: Solid
Analysis Batch: 5952

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1259		mg/Kg		123	70 - 130	2	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	98		70 - 130								

Lab Sample ID: MB 880-5958/1-A
Matrix: Solid
Analysis Batch: 5948

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 12:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 12:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 12:04	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 10:05	08/02/21 12:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/02/21 10:05	08/02/21 12:04	1
o-Terphenyl	109		70 - 130				08/02/21 10:05	08/02/21 12:04	1

Lab Sample ID: LCS 880-5958/2-A
Matrix: Solid
Analysis Batch: 5948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	825.9		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	930.5		mg/Kg		93	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	116		70 - 130				
o-Terphenyl	132	S1+	70 - 130				

Lab Sample ID: LCSD 880-5958/3-A
Matrix: Solid
Analysis Batch: 5948

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5958

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	866.2		mg/Kg		87	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	917.5		mg/Kg		92	70 - 130	1	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	117		70 - 130						

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

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

Lab Sample ID: LCSD 880-5958/3-A
Matrix: Solid
Analysis Batch: 5948

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5958

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	127		70 - 130

Lab Sample ID: 880-4475-A-17-I MS
Matrix: Solid
Analysis Batch: 5948

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1074		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1085		mg/Kg		109	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
<i>o</i> -Terphenyl	105		70 - 130

Lab Sample ID: 880-4475-A-17-J MSD
Matrix: Solid
Analysis Batch: 5948

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1106		mg/Kg		109	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1106		mg/Kg		111	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
<i>o</i> -Terphenyl	109		70 - 130

Lab Sample ID: MB 880-5987/1-A
Matrix: Solid
Analysis Batch: 5999

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/02/21 16:24	08/03/21 11:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/02/21 16:24	08/03/21 11:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/02/21 16:24	08/03/21 11:40	1
Total TPH	<50.0	U	50.0		mg/Kg		08/02/21 16:24	08/03/21 11:40	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	88		70 - 130	08/02/21 16:24	08/03/21 11:40	1
<i>o</i> -Terphenyl	102		70 - 130	08/02/21 16:24	08/03/21 11:40	1

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

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

Lab Sample ID: LCS 880-5987/2-A
Matrix: Solid
Analysis Batch: 5999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	889.1		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1057		mg/Kg		106	70 - 130
		LCS	LCS				
Surrogate		%Recovery	Qualifier	Limits			
1-Chlorooctane		103		70 - 130			
o-Terphenyl		115		70 - 130			

Lab Sample ID: LCSD 880-5987/3-A
Matrix: Solid
Analysis Batch: 5999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5987

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	967.8		mg/Kg		97	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1063		mg/Kg		106	70 - 130	1	20
		LCSD	LCSD						
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		95		70 - 130					
o-Terphenyl		101		70 - 130					

Lab Sample ID: 880-4522-1 MS
Matrix: Solid
Analysis Batch: 5999

Client Sample ID: FL20 @ 2'
Prep Type: Total/NA
Prep Batch: 5987

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1123		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1121		mg/Kg		113	70 - 130
		MS	MS						
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		91		70 - 130					
o-Terphenyl		94		70 - 130					

Lab Sample ID: 880-4522-1 MSD
Matrix: Solid
Analysis Batch: 5999

Client Sample ID: FL20 @ 2'
Prep Type: Total/NA
Prep Batch: 5987

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1097		mg/Kg		110	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1129		mg/Kg		113	70 - 130	1	20
		MSD	MSD								
Surrogate		%Recovery	Qualifier	Limits							
1-Chlorooctane		91		70 - 130							

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

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

Lab Sample ID: 880-4522-1 MSD
 Matrix: Solid
 Analysis Batch: 5999

Client Sample ID: FL20 @ 2'
 Prep Type: Total/NA
 Prep Batch: 5987

Surrogate	MSD %Recovery	MSD Qualifier	Limits
<i>o</i> -Terphenyl	93		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5979/1-A
 Matrix: Solid
 Analysis Batch: 6030

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/03/21 19:05	1

Lab Sample ID: LCS 880-5979/2-A
 Matrix: Solid
 Analysis Batch: 6030

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	239.0		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-5979/3-A
 Matrix: Solid
 Analysis Batch: 6030

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	250	239.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-4128-A-3-B MS
 Matrix: Solid
 Analysis Batch: 6030

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2570	F1	1250	4023	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-4128-A-3-C MSD
 Matrix: Solid
 Analysis Batch: 6030

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	2570	F1	1250	3892		mg/Kg		106	90 - 110	3	20

Lab Sample ID: MB 880-5982/1-A
 Matrix: Solid
 Analysis Batch: 6136

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/06/21 15:47	1

QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-5982/2-A
 Matrix: Solid
 Analysis Batch: 6136

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	251.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-5982/3-A
 Matrix: Solid
 Analysis Batch: 6136

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	261.1		mg/Kg		104	90 - 110	4	20

Lab Sample ID: 880-4522-3 MS
 Matrix: Solid
 Analysis Batch: 6136

Client Sample ID: FL22 @ 2'
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	58.7		251	321.5		mg/Kg		105	90 - 110

Lab Sample ID: 880-4522-3 MSD
 Matrix: Solid
 Analysis Batch: 6136

Client Sample ID: FL22 @ 2'
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	58.7		251	323.6		mg/Kg		106	90 - 110	1	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

GC VOA

Prep Batch: 5826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-5826/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 5832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-5832/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 5842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-1	FL20 @ 2'	Total/NA	Solid	5035	
880-4522-2	FL21 @ 2'	Total/NA	Solid	5035	
880-4522-3	FL22 @ 2'	Total/NA	Solid	5035	
880-4522-4	FL23 @ 2'	Total/NA	Solid	5035	
880-4522-5	FL24 @ 2'	Total/NA	Solid	5035	
880-4522-6	FL25 @ 2'	Total/NA	Solid	5035	
MB 880-5842/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5842/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-5842/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-4511-A-41-A MS	Matrix Spike	Total/NA	Solid	5035	
880-4511-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 5858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-1	FL20 @ 2'	Total/NA	Solid	8021B	5842
880-4522-2	FL21 @ 2'	Total/NA	Solid	8021B	5842
880-4522-3	FL22 @ 2'	Total/NA	Solid	8021B	5842
880-4522-4	FL23 @ 2'	Total/NA	Solid	8021B	5842
880-4522-5	FL24 @ 2'	Total/NA	Solid	8021B	5842
880-4522-6	FL25 @ 2'	Total/NA	Solid	8021B	5842
MB 880-5832/5-A	Method Blank	Total/NA	Solid	8021B	5832
MB 880-5842/5-A	Method Blank	Total/NA	Solid	8021B	5842
LCS 880-5842/1-A	Lab Control Sample	Total/NA	Solid	8021B	5842
LCS 880-5842/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5842
880-4511-A-41-A MS	Matrix Spike	Total/NA	Solid	8021B	5842
880-4511-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	5842

Analysis Batch: 5862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-7	FL26 @ 2'	Total/NA	Solid	8021B	5878
880-4522-8	FL27 @ 2'	Total/NA	Solid	8021B	5878
880-4522-9	FL28 @ 2'	Total/NA	Solid	8021B	5878
880-4522-10	FL29 @ 2'	Total/NA	Solid	8021B	5878
880-4522-11	FL30 @ 2'	Total/NA	Solid	8021B	5878
880-4522-12	FL31 @ 2'	Total/NA	Solid	8021B	5878
880-4522-13	FL32 @ 2'	Total/NA	Solid	8021B	5878
880-4522-14	FL33 @ 2'	Total/NA	Solid	8021B	5878
MB 880-5826/5-A	Method Blank	Total/NA	Solid	8021B	5826
MB 880-5878/5-A	Method Blank	Total/NA	Solid	8021B	5878
LCS 880-5878/1-A	Lab Control Sample	Total/NA	Solid	8021B	5878
LCS 880-5878/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5878
880-4522-7 MS	FL26 @ 2'	Total/NA	Solid	8021B	5878
880-4522-7 MSD	FL26 @ 2'	Total/NA	Solid	8021B	5878

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

GC VOA

Prep Batch: 5878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-7	FL26 @ 2'	Total/NA	Solid	5035	
880-4522-8	FL27 @ 2'	Total/NA	Solid	5035	
880-4522-9	FL28 @ 2'	Total/NA	Solid	5035	
880-4522-10	FL29 @ 2'	Total/NA	Solid	5035	
880-4522-11	FL30 @ 2'	Total/NA	Solid	5035	
880-4522-12	FL31 @ 2'	Total/NA	Solid	5035	
880-4522-13	FL32 @ 2'	Total/NA	Solid	5035	
880-4522-14	FL33 @ 2'	Total/NA	Solid	5035	
MB 880-5878/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5878/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5878/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-4522-7 MS	FL26 @ 2'	Total/NA	Solid	5035	
880-4522-7 MSD	FL26 @ 2'	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 5942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-9	FL28 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-10	FL29 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-11	FL30 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-12	FL31 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-13	FL32 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-14	FL33 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-5942/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5942/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5942/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-4541-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-4541-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 5948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-3	FL22 @ 2'	Total/NA	Solid	8015B NM	5958
880-4522-4	FL23 @ 2'	Total/NA	Solid	8015B NM	5958
880-4522-5	FL24 @ 2'	Total/NA	Solid	8015B NM	5958
880-4522-6	FL25 @ 2'	Total/NA	Solid	8015B NM	5958
880-4522-7	FL26 @ 2'	Total/NA	Solid	8015B NM	5958
880-4522-8	FL27 @ 2'	Total/NA	Solid	8015B NM	5958
MB 880-5958/1-A	Method Blank	Total/NA	Solid	8015B NM	5958
LCS 880-5958/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5958
LCSD 880-5958/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5958
880-4475-A-17-I MS	Matrix Spike	Total/NA	Solid	8015B NM	5958
880-4475-A-17-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	5958

Analysis Batch: 5952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-9	FL28 @ 2'	Total/NA	Solid	8015B NM	5942
880-4522-10	FL29 @ 2'	Total/NA	Solid	8015B NM	5942
880-4522-11	FL30 @ 2'	Total/NA	Solid	8015B NM	5942
880-4522-12	FL31 @ 2'	Total/NA	Solid	8015B NM	5942
880-4522-13	FL32 @ 2'	Total/NA	Solid	8015B NM	5942

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

GC Semi VOA (Continued)

Analysis Batch: 5952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-14	FL33 @ 2'	Total/NA	Solid	8015B NM	5942
MB 880-5942/1-A	Method Blank	Total/NA	Solid	8015B NM	5942
LCS 880-5942/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5942
LCSD 880-5942/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5942
880-4541-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	5942
880-4541-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	5942

Prep Batch: 5958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-3	FL22 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-4	FL23 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-5	FL24 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-6	FL25 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-7	FL26 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-8	FL27 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-5958/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5958/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5958/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-4475-A-17-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-4475-A-17-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 5987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-1	FL20 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-2	FL21 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-5987/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5987/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5987/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-4522-1 MS	FL20 @ 2'	Total/NA	Solid	8015NM Prep	
880-4522-1 MSD	FL20 @ 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 5999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-1	FL20 @ 2'	Total/NA	Solid	8015B NM	5987
880-4522-2	FL21 @ 2'	Total/NA	Solid	8015B NM	5987
MB 880-5987/1-A	Method Blank	Total/NA	Solid	8015B NM	5987
LCS 880-5987/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5987
LCSD 880-5987/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5987
880-4522-1 MS	FL20 @ 2'	Total/NA	Solid	8015B NM	5987
880-4522-1 MSD	FL20 @ 2'	Total/NA	Solid	8015B NM	5987

HPLC/IC

Leach Batch: 5979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-11	FL30 @ 2'	Soluble	Solid	DI Leach	
880-4522-12	FL31 @ 2'	Soluble	Solid	DI Leach	
880-4522-13	FL32 @ 2'	Soluble	Solid	DI Leach	
880-4522-14	FL33 @ 2'	Soluble	Solid	DI Leach	
MB 880-5979/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5979/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

HPLC/IC (Continued)

Leach Batch: 5979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-5979/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4128-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-4128-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 5982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-1	FL20 @ 2'	Soluble	Solid	DI Leach	
880-4522-2	FL21 @ 2'	Soluble	Solid	DI Leach	
880-4522-3	FL22 @ 2'	Soluble	Solid	DI Leach	
880-4522-4	FL23 @ 2'	Soluble	Solid	DI Leach	
880-4522-5	FL24 @ 2'	Soluble	Solid	DI Leach	
880-4522-6	FL25 @ 2'	Soluble	Solid	DI Leach	
880-4522-7	FL26 @ 2'	Soluble	Solid	DI Leach	
880-4522-8	FL27 @ 2'	Soluble	Solid	DI Leach	
880-4522-9	FL28 @ 2'	Soluble	Solid	DI Leach	
880-4522-10	FL29 @ 2'	Soluble	Solid	DI Leach	
MB 880-5982/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5982/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5982/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4522-3 MS	FL22 @ 2'	Soluble	Solid	DI Leach	
880-4522-3 MSD	FL22 @ 2'	Soluble	Solid	DI Leach	

Analysis Batch: 6030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-11	FL30 @ 2'	Soluble	Solid	300.0	5979
880-4522-12	FL31 @ 2'	Soluble	Solid	300.0	5979
880-4522-13	FL32 @ 2'	Soluble	Solid	300.0	5979
880-4522-14	FL33 @ 2'	Soluble	Solid	300.0	5979
MB 880-5979/1-A	Method Blank	Soluble	Solid	300.0	5979
LCS 880-5979/2-A	Lab Control Sample	Soluble	Solid	300.0	5979
LCSD 880-5979/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5979
880-4128-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	5979
880-4128-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	5979

Analysis Batch: 6136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4522-1	FL20 @ 2'	Soluble	Solid	300.0	5982
880-4522-2	FL21 @ 2'	Soluble	Solid	300.0	5982
880-4522-3	FL22 @ 2'	Soluble	Solid	300.0	5982
880-4522-4	FL23 @ 2'	Soluble	Solid	300.0	5982
880-4522-5	FL24 @ 2'	Soluble	Solid	300.0	5982
880-4522-6	FL25 @ 2'	Soluble	Solid	300.0	5982
880-4522-7	FL26 @ 2'	Soluble	Solid	300.0	5982
880-4522-8	FL27 @ 2'	Soluble	Solid	300.0	5982
880-4522-9	FL28 @ 2'	Soluble	Solid	300.0	5982
880-4522-10	FL29 @ 2'	Soluble	Solid	300.0	5982
MB 880-5982/1-A	Method Blank	Soluble	Solid	300.0	5982
LCS 880-5982/2-A	Lab Control Sample	Soluble	Solid	300.0	5982
LCSD 880-5982/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5982
880-4522-3 MS	FL22 @ 2'	Soluble	Solid	300.0	5982
880-4522-3 MSD	FL22 @ 2'	Soluble	Solid	300.0	5982

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL20 @ 2'

Lab Sample ID: 880-4522-1

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5842	07/30/21 16:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 17:23	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5987	08/02/21 16:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5999	08/03/21 12:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 17:39	CH	XEN MID

Client Sample ID: FL21 @ 2'

Lab Sample ID: 880-4522-2

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5842	07/30/21 16:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 17:43	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5987	08/02/21 16:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5999	08/03/21 13:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 17:47	CH	XEN MID

Client Sample ID: FL22 @ 2'

Lab Sample ID: 880-4522-3

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	5842	07/30/21 16:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 18:04	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5958	08/02/21 10:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5948	08/02/21 18:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 17:54	CH	XEN MID

Client Sample ID: FL23 @ 2'

Lab Sample ID: 880-4522-4

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5842	07/30/21 16:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 18:24	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5958	08/02/21 10:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5948	08/02/21 19:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 18:16	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL24 @ 2'

Lab Sample ID: 880-4522-5

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5842	07/30/21 16:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 18:45	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5958	08/02/21 10:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5948	08/02/21 19:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 18:24	CH	XEN MID

Client Sample ID: FL25 @ 2'

Lab Sample ID: 880-4522-6

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 ng	5842	07/30/21 16:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 19:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5958	08/02/21 10:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5948	08/02/21 19:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 18:46	CH	XEN MID

Client Sample ID: FL26 @ 2'

Lab Sample ID: 880-4522-7

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5878	07/30/21 11:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 17:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5958	08/02/21 10:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5948	08/02/21 20:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 18:54	CH	XEN MID

Client Sample ID: FL27 @ 2'

Lab Sample ID: 880-4522-8

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5878	07/30/21 11:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 17:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5958	08/02/21 10:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5948	08/02/21 20:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 19:01	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Client Sample ID: FL28 @ 2'

Lab Sample ID: 880-4522-9

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5878	07/30/21 11:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 17:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5942	08/02/21 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5952	08/02/21 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 19:09	CH	XEN MID

Client Sample ID: FL29 @ 2'

Lab Sample ID: 880-4522-10

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5878	07/30/21 11:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 18:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5942	08/02/21 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5952	08/02/21 18:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5982	08/02/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			6136	08/06/21 19:16	CH	XEN MID

Client Sample ID: FL30 @ 2'

Lab Sample ID: 880-4522-11

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	5878	07/30/21 11:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 18:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5942	08/02/21 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5952	08/02/21 18:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5979	08/02/21 14:07	CH	XEN MID
Soluble	Analysis	300.0		1			6030	08/03/21 20:11	CH	XEN MID

Client Sample ID: FL31 @ 2'

Lab Sample ID: 880-4522-12

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5878	07/30/21 11:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 18:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5942	08/02/21 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5952	08/02/21 19:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5979	08/02/21 14:07	CH	XEN MID
Soluble	Analysis	300.0		1			6030	08/03/21 20:17	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

Client Sample ID: FL32 @ 2'

Lab Sample ID: 880-4522-13

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5878	07/30/21 11:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 19:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5942	08/02/21 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5952	08/02/21 19:30	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5979	08/02/21 14:07	CH	XEN MID
Soluble	Analysis	300.0		1			6030	08/03/21 20:22	CH	XEN MID

Client Sample ID: FL33 @ 2'

Lab Sample ID: 880-4522-14

Date Collected: 07/28/21 00:00

Matrix: Solid

Date Received: 07/30/21 10:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5878	07/30/21 11:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5862	07/31/21 19:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5942	08/02/21 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5952	08/02/21 19:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5979	08/02/21 14:07	CH	XEN MID
Soluble	Analysis	300.0		1			6030	08/03/21 20:28	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Goodnight Midstream

Job ID: 880-4522-1
 SDG: Rural Lea Co, MN

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Goodnight Midstream

Job ID: 880-4522-1
SDG: Rural Lea Co, MN

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-4522-1	FL20 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-2	FL21 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-3	FL22 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-4	FL23 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-5	FL24 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-6	FL25 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-7	FL26 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-8	FL27 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-9	FL28 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-10	FL29 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-11	FL30 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-12	FL31 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-13	FL32 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'
880-4522-14	FL33 @ 2'	Solid	07/28/21 00:00	07/30/21 10:27	2'

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-4522-1

SDG Number: Rural Lea Co, MN

Login Number: 4522

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





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

August 04, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 07/30/21 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: SW 1 (H212022-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2021	ND	2.02	101	2.00	4.23	
Toluene*	<0.050	0.050	08/02/2021	ND	2.12	106	2.00	7.94	
Ethylbenzene*	<0.050	0.050	08/02/2021	ND	2.03	102	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/02/2021	ND	6.05	101	6.00	7.32	
Total BTEX	<0.300	0.300	08/02/2021	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	160	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.0 % 38.9-142

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
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: WW 2 (H212022-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2021	ND	2.02	101	2.00	4.23	
Toluene*	<0.050	0.050	08/02/2021	ND	2.12	106	2.00	7.94	
Ethylbenzene*	<0.050	0.050	08/02/2021	ND	2.03	102	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/02/2021	ND	6.05	101	6.00	7.32	
Total BTEX	<0.300	0.300	08/02/2021	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	32.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.5 % 38.9-142

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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
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: SW 3 (H212022-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2021	ND	2.02	101	2.00	4.23	
Toluene*	<0.050	0.050	08/02/2021	ND	2.12	106	2.00	7.94	
Ethylbenzene*	<0.050	0.050	08/02/2021	ND	2.03	102	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/02/2021	ND	6.05	101	6.00	7.32	
Total BTEX	<0.300	0.300	08/02/2021	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	32.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.7 % 38.9-142

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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
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: NW 3 (H212022-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2021	ND	2.02	101	2.00	4.23	
Toluene*	<0.050	0.050	08/02/2021	ND	2.12	106	2.00	7.94	
Ethylbenzene*	<0.050	0.050	08/02/2021	ND	2.03	102	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/02/2021	ND	6.05	101	6.00	7.32	
Total BTEX	<0.300	0.300	08/02/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 34 @ 2' (H212022-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 35 @ 2' (H212022-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 36 @ 2' (H212022-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	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	64.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 37 @ 2' (H212022-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 38 @ 2' (H212022-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	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	80.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 39 @ 2' (H212022-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	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	48.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.9 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 40 @ 2' (H212022-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	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	48.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2021	ND	197	98.7	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/02/2021	ND	196	98.0	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	08/02/2021	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.9 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 41 @ 2' (H212022-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	64.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2021	ND	201	101	200	1.51	
DRO >C10-C28*	<10.0	10.0	08/03/2021	ND	194	97.2	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	08/03/2021	ND					

Surrogate: 1-Chlorooctane 76.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.6 % 38.9-142

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Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 42 @ 2' (H212022-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	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	64.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2021	ND	201	101	200	1.51	
DRO >C10-C28*	<10.0	10.0	08/03/2021	ND	194	97.2	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	08/03/2021	ND					

Surrogate: 1-Chlorooctane 72.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.5 % 38.9-142

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 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 43 @ 2' (H212022-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	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	48.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2021	ND	201	101	200	1.51	
DRO >C10-C28*	<10.0	10.0	08/03/2021	ND	194	97.2	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	08/03/2021	ND					

Surrogate: 1-Chlorooctane 73.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 44 @ 2' (H212022-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2021	ND	201	101	200	1.51	
DRO >C10-C28*	<10.0	10.0	08/03/2021	ND	194	97.2	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	08/03/2021	ND					

Surrogate: 1-Chlorooctane 71.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 45 @ 2' (H212022-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	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	64.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2021	ND	201	101	200	1.51	
DRO >C10-C28*	<10.0	10.0	08/03/2021	ND	194	97.2	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	08/03/2021	ND					

Surrogate: 1-Chlorooctane 72.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/30/2021	Sampling Date:	07/30/2021
Reported:	08/04/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 46 @ 2' (H212022-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.92	96.0	2.00	0.624	
Toluene*	<0.050	0.050	08/03/2021	ND	2.07	104	2.00	0.470	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	99.8	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	5.97	99.4	6.00	0.649	
Total BTEX	<0.300	0.300	08/03/2021	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	48.0	16.0	08/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2021	ND	201	101	200	1.51	
DRO >C10-C28*	<10.0	10.0	08/03/2021	ND	194	97.2	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	08/03/2021	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.8 % 38.9-142

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>E-Tech Environmental</u>		BILL TO		ANALYSIS REQUEST					
Project Manager: <u>Joel Lowry</u>		P.O. #:							
Address: <u>2617 Marland</u>		Company: <u>Goodnight</u>							
City: <u>Hobbs</u>	State: <u>NM</u>	Zip: <u>88240</u>	Attn:						
Phone #: <u>575-964-2881</u>	Fax #: <u>-</u>	Address:							
Project #: <u>14433</u>	Project Owner: <u>Goodnight Midstream</u>		City:						
Project Name: <u>Blueberry SWD 7/3/21</u>		State: <u> </u> Zip: <u> </u>							
Project Location: <u>Rural Lea co, NM</u>		Phone #:							
Sampler Name: <u>Miguel Ramirez</u>		Fax #:							

FOR LAB USE ONLY		(GRAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		Chlorides	BTEX	TPH	
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:				DATE
<u>H212022</u>															
<u>1</u>	<u>SW1</u>	<u>C</u>			<u>X</u>				<u>X</u>		<u>7/30/21</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>2</u>	<u>WW2</u>														
<u>3</u>	<u>SW3</u>														
<u>4</u>	<u>NN3</u>														
<u>5</u>	<u>FL 34 @ 2'</u>														
<u>6</u>	<u>FL 35 @ 2'</u>														
<u>7</u>	<u>FL 36 @ 2'</u>														
<u>8</u>	<u>FL 37 @ 2'</u>														
<u>9</u>	<u>FL 38 @ 2'</u>														
<u>10</u>	<u>FL 39 @ 2'</u>														

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Relinquished By:	Date: <u>7-30-21</u>	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: <u>1635</u>	Received By:	All Results are emailed. Please provide Email address:
Date:	Time:	REMARKS: <u>pm@etcchenv.com</u>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>27.4</u> Corrected Temp. °C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) <u>JO</u>
		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
		Thermometer ID #113 Correction Factor None	

FORM-006 R 3.1 06/04/20

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

August 06, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 08/02/21 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 47 @ 1' (H212032-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.97	98.3	2.00	7.26	
Toluene*	<0.050	0.050	08/03/2021	ND	2.08	104	2.00	7.87	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	100	2.00	7.46	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	6.00	100	6.00	6.86	
Total BTEX	<0.300	0.300	08/03/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/04/2021	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	08/04/2021	ND	201	101	200	0.987	
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND					

Surrogate: 1-Chlorooctane 71.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 48 @ 1' (H212032-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.97	98.3	2.00	7.26	
Toluene*	<0.050	0.050	08/03/2021	ND	2.08	104	2.00	7.87	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	100	2.00	7.46	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	6.00	100	6.00	6.86	
Total BTEX	<0.300	0.300	08/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/04/2021	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	08/04/2021	ND	201	101	200	0.987	
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND					

Surrogate: 1-Chlorooctane 67.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 49 @ 1' (H212032-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.97	98.3	2.00	7.26	
Toluene*	<0.050	0.050	08/03/2021	ND	2.08	104	2.00	7.87	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	100	2.00	7.46	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	6.00	100	6.00	6.86	
Total BTEX	<0.300	0.300	08/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	16.0	16.0	08/04/2021	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	08/04/2021	ND	201	101	200	0.987	
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND					

Surrogate: 1-Chlorooctane 71.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.3 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 50 @ 1' (H212032-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.97	98.3	2.00	7.26	
Toluene*	<0.050	0.050	08/03/2021	ND	2.08	104	2.00	7.87	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	100	2.00	7.46	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	6.00	100	6.00	6.86	
Total BTEX	<0.300	0.300	08/03/2021	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	64.0	16.0	08/04/2021	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	08/04/2021	ND	201	101	200	0.987	
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND					

Surrogate: 1-Chlorooctane 64.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 57.5 % 38.9-142

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Analytical Results For:

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

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 51 @ 1' (H212032-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2021	ND	1.97	98.3	2.00	7.26	
Toluene*	<0.050	0.050	08/03/2021	ND	2.08	104	2.00	7.87	
Ethylbenzene*	<0.050	0.050	08/03/2021	ND	2.00	100	2.00	7.46	
Total Xylenes*	<0.150	0.150	08/03/2021	ND	6.00	100	6.00	6.86	
Total BTEX	<0.300	0.300	08/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	32.0	16.0	08/04/2021	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	08/04/2021	ND	201	101	200	0.987	
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND					

Surrogate: 1-Chlorooctane 66.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 58.9 % 38.9-142

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Analytical Results For:

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

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 52 @ 1' (H212032-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2021	ND	2.02	101	2.00	7.32		
Toluene*	<0.050	0.050	08/04/2021	ND	2.14	107	2.00	6.61		
Ethylbenzene*	<0.050	0.050	08/04/2021	ND	2.05	103	2.00	6.58		
Total Xylenes*	<0.150	0.150	08/04/2021	ND	6.15	103	6.00	6.42		
Total BTEX	<0.300	0.300	08/04/2021	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	32.0	16.0	08/04/2021	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	08/04/2021	ND	201	101	200	0.987		
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787		
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND						

Surrogate: 1-Chlorooctane 66.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.4 % 38.9-142

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Analytical Results For:

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

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 53 @ 1' (H212032-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2021	ND	2.02	101	2.00	7.32	
Toluene*	<0.050	0.050	08/04/2021	ND	2.14	107	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/04/2021	ND	2.05	103	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/04/2021	ND	6.15	103	6.00	6.42	
Total BTEX	<0.300	0.300	08/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	08/04/2021	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	08/04/2021	ND	201	101	200	0.987	
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND					

Surrogate: 1-Chlorooctane 68.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.2 % 38.9-142

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Analytical Results For:

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

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 54 @ 1' (H212032-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2021	ND	2.02	101	2.00	7.32	
Toluene*	<0.050	0.050	08/04/2021	ND	2.14	107	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/04/2021	ND	2.05	103	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/04/2021	ND	6.15	103	6.00	6.42	
Total BTEX	<0.300	0.300	08/04/2021	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	48.0	16.0	08/04/2021	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	08/04/2021	ND	201	101	200	0.987	
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND					

Surrogate: 1-Chlorooctane 67.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.4 % 38.9-142

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Analytical Results For:

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

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 55 @ 1' (H212032-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2021	ND	2.02	101	2.00	7.32	
Toluene*	<0.050	0.050	08/04/2021	ND	2.14	107	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/04/2021	ND	2.05	103	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/04/2021	ND	6.15	103	6.00	6.42	
Total BTEX	<0.300	0.300	08/04/2021	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	16.0	16.0	08/04/2021	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2021	ND	201	101	200	0.987	
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND					

Surrogate: 1-Chlorooctane 69.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.9 % 38.9-142

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Analytical Results For:

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

Received:	08/02/2021	Sampling Date:	08/02/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 56 @ 1' (H212032-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2021	ND	2.02	101	2.00	7.32	
Toluene*	<0.050	0.050	08/04/2021	ND	2.14	107	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/04/2021	ND	2.05	103	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/04/2021	ND	6.15	103	6.00	6.42	
Total BTEX	<0.300	0.300	08/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	32.0	16.0	08/04/2021	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2021	ND	201	101	200	0.987	
DRO >C10-C28*	<10.0	10.0	08/04/2021	ND	195	97.7	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/04/2021	ND					

Surrogate: 1-Chlorooctane 66.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.4 % 38.9-142

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Notes and Definitions

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Etech Environmental</i>		BILL TO				ANALYSIS REQUEST																		
Project Manager: <i>Joel Lowry</i>		P.O. #:																						
Address: <i>2617 Marland</i>		Company: <i>Goodnight Midstream</i>																						
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn:																						
Phone #: <i>575-964-2881</i> Fax #:		Address:																						
Project #: <i>14433</i> Project Owner:		City:																						
Project Name: <i>Blueberry SWD 7/3/21</i>		State: Zip:																						
Project Location: <i>Rural Lea co, NM</i>		Phone #:																						
Sampler Name: <i>Miguel Ramirez</i>		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	Chlorides	BTEX	TPH							
<i>H212033</i>						X					X		<i>8/2/21</i>		X	X	X							
<i>1</i>	<i>FL 47@1'</i>																							
<i>2</i>	<i>FL 48@1'</i>																							
<i>3</i>	<i>FL 49@1'</i>																							
<i>4</i>	<i>FL 50@1'</i>																							
<i>5</i>	<i>FL 51@1'</i>																							
<i>6</i>	<i>FL 52@1'</i>																							
<i>7</i>	<i>FL 53@1'</i>																							
<i>8</i>	<i>FL 54@1'</i>																							
<i>9</i>	<i>FL 55@1'</i>																							
<i>10</i>	<i>FL 56@1'</i>																							

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Relinquished By: <i>[Signature]</i>	Date: <i>8/2/21</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <i>1:530</i>			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	<i>pm@ctechenv.com</i>
Time:			REMARKS:
Delivered By: (Circle One)	Observed Temp. °C <i>14.7</i>	Sample Condition	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
		<input checked="" type="checkbox"/> No <input type="checkbox"/> No	Observed Temp. °C
		CHECKED BY: <i>[Signature]</i>	Thermometer ID #113
			Correction Factor None
			Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

August 10, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 08/04/21 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: SW 4 (H212072-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2021	ND	1.91	95.5	2.00	7.73	
Toluene*	<0.050	0.050	08/07/2021	ND	2.07	104	2.00	7.25	
Ethylbenzene*	<0.050	0.050	08/07/2021	ND	2.00	99.8	2.00	7.34	
Total Xylenes*	<0.150	0.150	08/07/2021	ND	5.98	99.7	6.00	6.06	
Total BTEX	<0.300	0.300	08/07/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.9 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: SW 2 (H212072-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37		
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18		
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58		
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72		
Total BTEX	<0.300	0.300	08/09/2021	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	112	16.0	08/08/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438		
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252		
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND						

Surrogate: 1-Chlorooctane 74.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.7 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: WW 1 (H212072-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	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	<16.0	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					

Surrogate: 1-Chlorooctane 71.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.8 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: EW 2 (H212072-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	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	16.0	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					

Surrogate: 1-Chlorooctane 70.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.1 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 57 @ 2' (H212072-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	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	48.0	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					

Surrogate: 1-Chlorooctane 62.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 57.7 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 58 @ 2' (H212072-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	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	48.0	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					

Surrogate: 1-Chlorooctane 66.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.9 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 59 @ 2' (H212072-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					

Surrogate: 1-Chlorooctane 58.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 52.6 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 60 @ 2' (H212072-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	48.0	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/10/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/10/2021	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.6 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 61 @ 2' (H212072-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	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	32.0	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					

Surrogate: 1-Chlorooctane 53.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 46.9 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 62 @ 2' (H212072-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	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	32.0	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					

Surrogate: 1-Chlorooctane 47.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 42.5 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 63 @ 2' (H212072-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	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	32.0	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					

Surrogate: 1-Chlorooctane 54.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 51.0 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/04/2021	Sampling Date:	08/03/2021
Reported:	08/10/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: SP 1 @ 6' (H212072-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.88	94.2	2.00	3.37	
Toluene*	<0.050	0.050	08/09/2021	ND	2.05	103	2.00	4.18	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.97	98.7	2.00	3.58	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.91	98.5	6.00	3.72	
Total BTEX	<0.300	0.300	08/09/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	08/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2021	ND	206	103	200	0.00438	
DRO >C10-C28*	<10.0	10.0	08/10/2021	ND	215	107	200	0.0252	
EXT DRO >C28-C36	<10.0	10.0	08/10/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Etech Environmental</i>		BILL TO				ANALYSIS REQUEST																			
Project Manager: <i>Joel Lowry</i>		P.O. #:																							
Address: <i>2617 Marland</i>		Company: <i>Goodnight</i>																							
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88260</i>		Attn:																							
Phone #: <i>575-964-2881</i> Fax #:		Address:																							
Project #: <i>14433</i> Project Owner:		City:																							
Project Name: <i>Blueberry SWP 7/3/21</i>		State: Zip:																							
Project Location: <i>Rural Lea Co, NM</i>		Phone #:																							
Sampler Name: <i>Miguel Ramirez</i>		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											
<i>H212072</i>																									
<i>11</i>	<i>FL 6302'</i>	<i>C</i>	<i>1</i>			<i>X</i>					<i>X</i>		<i>8/3/21</i>		<i>Chlorides</i>	<i>BTEX</i>	<i>TPH</i>								
<i>12</i>	<i>SPI 06'</i>	<i>↓</i>	<i>↓</i>			<i>↓</i>					<i>↓</i>		<i>↓</i>		<i>↓</i>	<i>↓</i>	<i>↓</i>								

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Relinquished By: <i>[Signature]</i>	Date: <i>8-4-21</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <i>1650</i>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <i>PM@etechenv.com</i>
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <i>5.7</i>	Sample Condition Cool Intact	CHECKED BY: (Initials) <i>TO</i>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID #113 Correction Factor None
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temp. °C

FORM-006 R 3.1 06/04/20

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabnm.com



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

August 31, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 08/10/21 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
31-Aug-21 15:28

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 5	H212131-01	Soil	05-Aug-21 00:00	10-Aug-21 16:35
WW 3	H212131-02	Soil	05-Aug-21 00:00	10-Aug-21 16:35
FL 64 @ 2'	H212131-03	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 65 @ 2'	H212131-04	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 66 @ 2'	H212131-05	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 67 @ 2'	H212131-06	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 68 @ 2'	H212131-07	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 69 @ 2'	H212131-08	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 70 @ 2'	H212131-09	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 71 @ 2'	H212131-10	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 72 @ 2'	H212131-11	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 73 @ 2'	H212131-12	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 74 @ 2'	H212131-13	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 75 @ 2'	H212131-14	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 76 @ 2'	H212131-15	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 77 @ 2'	H212131-16	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 78 @ 2'	H212131-17	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 79 @ 2'	H212131-18	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 80 @ 2'	H212131-19	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 81 @ 2'	H212131-20	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 82 @ 2'	H212131-21	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 83 @ 2'	H212131-22	Soil	09-Aug-21 00:00	10-Aug-21 16:35
FL 84 @ 2'	H212131-23	Soil	09-Aug-21 00:00	10-Aug-21 16:35
DT 1 @ 6'	H212131-24	Soil	09-Aug-21 00:00	10-Aug-21 16:35
DT 1 @ 11'	H212131-25	Soil	09-Aug-21 00:00	10-Aug-21 16:35
DT 1 @ 13'	H212131-26	Soil	09-Aug-21 00:00	10-Aug-21 16:35
WW 4	H212131-27	Soil	09-Aug-21 00:00	10-Aug-21 16:35

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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
2617 W MARLAND
HOBBS NM, 88240

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
31-Aug-21 15:28

08/31/21 - Client revised the sample ID on -02. This is the revised report and will replace the one sent on 08/13/21.

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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
---	--	------------------------------

**SW 5
H212131-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	208		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.7 %		69.9-140	1081101	MS	11-Aug-21	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	
Surrogate: 1-Chlorooctane			86.2 %		44.3-133	1081013	MS	11-Aug-21	8015B	
Surrogate: 1-Chlorooctadecane			80.4 %		38.9-142	1081013	MS	11-Aug-21	8015B	

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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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**WW 3
H212131-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	176		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081101	MS	11-Aug-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9-140		1081101	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	

Surrogate: 1-Chlorooctane			87.1 %	44.3-133		1081013	MS	11-Aug-21	8015B	
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Surrogate: 1-Chlorooctadecane			83.1 %	38.9-142		1081013	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 64 @ 2'
H212131-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081101	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	69.9-140		1081101	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.5 %	44.3-133		1081013	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			72.0 %	38.9-142		1081013	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 65 @ 2'
H212131-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081101	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1081101	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081013	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.3 %	44.3-133		1081013	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.7 %	38.9-142		1081013	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 66 @ 2'
H212131-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081101	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	69.9-140		1081101	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.3 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.6 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 67 @ 2'
H212131-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081101	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1081101	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.8 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.4 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 68 @ 2'
H212131-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081101	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		1081101	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.6 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.9 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 69 @ 2'
H212131-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081101	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1081101	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.6 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.4 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 70 @ 2'
H212131-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081101	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081101	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		1081101	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.2 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.3 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 71 @ 2'
H212131-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.0 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.1 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.2 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 72 @ 2'
H212131-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.9 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.7 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.1 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 73 @ 2'
H212131-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.5 %		69.9-140	1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.7 %		44.3-133	1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.2 %		38.9-142	1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 74 @ 2'
H212131-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.5 %		69.9-140	1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.5 %		44.3-133	1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.7 %		38.9-142	1081108	MS	11-Aug-21	8015B	
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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
2617 W MARLAND
HOBBS NM, 88240

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
31-Aug-21 15:28

FL 75 @ 2'
H212131-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

Surrogate: 1-Chlorooctane			88.1 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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Surrogate: 1-Chlorooctadecane			94.5 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 76 @ 2'
H212131-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.1 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.1 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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**FL 77 @ 2'
H212131-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.2 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.8 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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
2617 W MARLAND
HOBBS NM, 88240

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
31-Aug-21 15:28

FL 78 @ 2'
H212131-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.5 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

Surrogate: 1-Chlorooctane			92.4 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 79 @ 2'
H212131-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.3 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.9 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 80 @ 2'
H212131-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.1 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			100 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 81 @ 2'
H212131-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	1081104	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.4 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.9 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.7 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 82 @ 2'
H212131-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	1081105	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	11-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.1 %	44.3-133		1081108	MS	11-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.9 %	38.9-142		1081108	MS	11-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 83 @ 2'
H212131-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	1081105	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %		69.9-140	1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	12-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	12-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	12-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.1 %		44.3-133	1081108	MS	12-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %		38.9-142	1081108	MS	12-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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FL 84 @ 2'
H212131-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	1081105	GM	11-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.8 %		69.9-140	1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	12-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	12-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	12-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.0 %		44.3-133	1081108	MS	12-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			100 %		38.9-142	1081108	MS	12-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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DT 1 @ 6'
H212131-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1460		16.0	mg/kg	4	1081105	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081108	MS	12-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081108	MS	12-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081108	MS	12-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.1 %	44.3-133		1081108	MS	12-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	38.9-142		1081108	MS	12-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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DT 1 @ 11'
H212131-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2560		16.0	mg/kg	4	1081105	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.0 %		69.9-140	1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081109	MS	12-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081109	MS	12-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081109	MS	12-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.8 %		44.3-133	1081109	MS	12-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			110 %		38.9-142	1081109	MS	12-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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DT 1 @ 13'
H212131-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2400		16.0	mg/kg	4	1081105	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.7 %		69.9-140	1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081109	MS	12-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081109	MS	12-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081109	MS	12-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.0 %		44.3-133	1081109	MS	12-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			107 %		38.9-142	1081109	MS	12-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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**WW 4
H212131-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	1081105	GM	11-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1081102	MS	11-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1081102	MS	11-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	69.9-140		1081102	MS	11-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1081109	MS	12-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1081109	MS	12-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1081109	MS	12-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.8 %	44.3-133		1081109	MS	12-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %	38.9-142		1081109	MS	12-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081104 - 1:4 DI Water

Blank (1081104-BLK1)				Prepared & Analyzed: 11-Aug-21						
Chloride	ND	16.0	mg/kg							
LCS (1081104-BS1)				Prepared & Analyzed: 11-Aug-21						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (1081104-BSD1)				Prepared & Analyzed: 11-Aug-21						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Batch 1081105 - 1:4 DI Water

Blank (1081105-BLK1)				Prepared & Analyzed: 11-Aug-21						
Chloride	ND	16.0	mg/kg							
LCS (1081105-BS1)				Prepared & Analyzed: 11-Aug-21						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1081105-BSD1)				Prepared & Analyzed: 11-Aug-21						
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20	

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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
2617 W MARLAND
HOBBS NM, 88240

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
31-Aug-21 15:28

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081101 - Volatiles**Blank (1081101-BLK1)**

Prepared & Analyzed: 11-Aug-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.5	69.9-140			

LCS (1081101-BS1)

Prepared & Analyzed: 11-Aug-21

Benzene	2.01	0.050	mg/kg	2.00		101	89.9-120			
Toluene	2.07	0.050	mg/kg	2.00		104	90.8-117			
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.0	88.9-116			
m,p-Xylene	3.99	0.100	mg/kg	4.00		99.6	85.5-118			
o-Xylene	1.85	0.050	mg/kg	2.00		92.5	85.5-118			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	85.5-118			
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	69.9-140			

LCS Dup (1081101-BSD1)

Prepared & Analyzed: 11-Aug-21

Benzene	2.08	0.050	mg/kg	2.00		104	89.9-120	3.47	10.3	
Toluene	2.17	0.050	mg/kg	2.00		108	90.8-117	4.54	10.5	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	88.9-116	5.23	10.8	
m,p-Xylene	4.19	0.100	mg/kg	4.00		105	85.5-118	4.89	10.7	
o-Xylene	1.91	0.050	mg/kg	2.00		95.4	85.5-118	3.05	10.7	
Total Xylenes	6.09	0.150	mg/kg	6.00		102	85.5-118	4.31	10.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500		104	69.9-140			

Batch 1081102 - Volatiles**Blank (1081102-BLK1)**

Prepared & Analyzed: 11-Aug-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
31-Aug-21 15:28

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081102 - Volatiles**Blank (1081102-BLK1)**

Prepared & Analyzed: 11-Aug-21

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.6	69.9-140			

LCS (1081102-BS1)

Prepared & Analyzed: 11-Aug-21

Benzene	1.79	0.050	mg/kg	2.00		89.5	89.9-120			BS-3
Toluene	1.95	0.050	mg/kg	2.00		97.6	90.8-117			
Ethylbenzene	1.88	0.050	mg/kg	2.00		94.1	88.9-116			
m,p-Xylene	3.80	0.100	mg/kg	4.00		95.1	85.5-118			
o-Xylene	1.85	0.050	mg/kg	2.00		92.4	85.5-118			
Total Xylenes	5.65	0.150	mg/kg	6.00		94.2	85.5-118			
Surrogate: 4-Bromofluorobenzene (PID)	0.0478		mg/kg	0.0500		95.6	69.9-140			

LCS Dup (1081102-BSD1)

Prepared & Analyzed: 11-Aug-21

Benzene	1.95	0.050	mg/kg	2.00		97.5	89.9-120	8.59	10.3	
Toluene	2.13	0.050	mg/kg	2.00		106	90.8-117	8.64	10.5	
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	88.9-116	8.64	10.8	
m,p-Xylene	4.14	0.100	mg/kg	4.00		104	85.5-118	8.49	10.7	
o-Xylene	2.03	0.050	mg/kg	2.00		101	85.5-118	9.21	10.7	
Total Xylenes	6.17	0.150	mg/kg	6.00		103	85.5-118	8.73	10.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0480		mg/kg	0.0500		96.0	69.9-140			

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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081013 - General Prep - Organics

Blank (1081013-BLK1)		Prepared: 10-Aug-21 Analyzed: 11-Aug-21								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.8		mg/kg	50.0		97.6	44.3-133			
Surrogate: 1-Chlorooctadecane	48.1		mg/kg	50.0		96.3	38.9-142			

LCS (1081013-BS1)		Prepared: 10-Aug-21 Analyzed: 11-Aug-21								
GRO C6-C10	216	10.0	mg/kg	200		108	83.4-129			
DRO >C10-C28	215	10.0	mg/kg	200		108	79.3-136			
Total TPH C6-C28	431	10.0	mg/kg	400		108	85.3-130			
Surrogate: 1-Chlorooctane	50.7		mg/kg	50.0		101	44.3-133			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	38.9-142			

LCS Dup (1081013-BS1)		Prepared: 10-Aug-21 Analyzed: 11-Aug-21								
GRO C6-C10	214	10.0	mg/kg	200		107	83.4-129	0.918	12.6	
DRO >C10-C28	249	10.0	mg/kg	200		125	79.3-136	14.7	12.1	QR-04
Total TPH C6-C28	464	10.0	mg/kg	400		116	85.3-130	7.19	11.6	
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	44.3-133			
Surrogate: 1-Chlorooctadecane	56.5		mg/kg	50.0		113	38.9-142			

Batch 1081108 - General Prep - Organics

Blank (1081108-BLK1)		Prepared & Analyzed: 11-Aug-21								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.4		mg/kg	50.0		105	44.3-133			
Surrogate: 1-Chlorooctadecane	58.1		mg/kg	50.0		116	38.9-142			

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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081108 - General Prep - Organics

LCS (1081108-BS1)		Prepared & Analyzed: 11-Aug-21								
GRO C6-C10	188	10.0	mg/kg	200		93.8	83.4-129			
DRO >C10-C28	198	10.0	mg/kg	200		98.9	79.3-136			
Total TPH C6-C28	385	10.0	mg/kg	400		96.4	85.3-130			
Surrogate: 1-Chlorooctane	55.0		mg/kg	50.0		110	44.3-133			
Surrogate: 1-Chlorooctadecane	61.0		mg/kg	50.0		122	38.9-142			

LCS Dup (1081108-BSD1)		Prepared & Analyzed: 11-Aug-21								
GRO C6-C10	186	10.0	mg/kg	200		93.2	83.4-129	0.710	12.6	
DRO >C10-C28	207	10.0	mg/kg	200		103	79.3-136	4.35	12.1	
Total TPH C6-C28	393	10.0	mg/kg	400		98.2	85.3-130	1.92	11.6	
Surrogate: 1-Chlorooctane	57.1		mg/kg	50.0		114	44.3-133			
Surrogate: 1-Chlorooctadecane	63.3		mg/kg	50.0		127	38.9-142			

Batch 1081109 - General Prep - Organics

Blank (1081109-BLK1)		Prepared: 11-Aug-21 Analyzed: 12-Aug-21								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	44.3-133			
Surrogate: 1-Chlorooctadecane	61.0		mg/kg	50.0		122	38.9-142			

LCS (1081109-BS1)		Prepared: 11-Aug-21 Analyzed: 12-Aug-21								
GRO C6-C10	201	10.0	mg/kg	200		100	83.4-129			
DRO >C10-C28	214	10.0	mg/kg	200		107	79.3-136			
Total TPH C6-C28	415	10.0	mg/kg	400		104	85.3-130			
Surrogate: 1-Chlorooctane	56.4		mg/kg	50.0		113	44.3-133			
Surrogate: 1-Chlorooctadecane	65.2		mg/kg	50.0		130	38.9-142			

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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 31-Aug-21 15:28
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081109 - General Prep - Organics

LCS Dup (1081109-BSD1)		Prepared: 11-Aug-21 Analyzed: 12-Aug-21								
GRO C6-C10	193	10.0	mg/kg	200		96.4	83.4-129	4.02	12.6	
DRO >C10-C28	216	10.0	mg/kg	200		108	79.3-136	1.11	12.1	
Total TPH C6-C28	409	10.0	mg/kg	400		102	85.3-130	1.34	11.6	
Surrogate: 1-Chlorooctane	57.7		mg/kg	50.0		115	44.3-133			
Surrogate: 1-Chlorooctadecane	66.6		mg/kg	50.0		133	38.9-142			

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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Etech Environmental</u>		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>Joel Lowry</u>		P.O. #:											
Address: <u>2617 Marland</u>		Company: <u>Goodnight</u>											
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88260</u>		Attn:											
Phone #: <u>575-964-2881</u> Fax #:		Address:											
Project #: <u>14433</u> Project Owner: <u>Goodnight</u>		City:											
Project Name: <u>Blueberry SWD 7/5/21</u>		State: Zip:											
Project Location: <u>Rural Lea Co, NM</u>		Phone #:											
Sampler Name: <u>Miguel Ramirez</u>		Fax #:											

FOR LAB USE ONLY		(GRAB OR (COMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		Chlorides	BTEX	TPH	
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:				DATE
<u>H212131</u>															
<u>1</u>	<u>SW5</u>	<u>C</u>			<u>X</u>				<u>X</u>		<u>8/5/21</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>2</u>	<u>WW3</u>	<u>C</u>			<u>X</u>				<u>X</u>		<u>8/5/21</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>3</u>	<u>FL64@2'</u>	<u>C</u>			<u>X</u>				<u>X</u>		<u>8/9/21</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>4</u>	<u>FL65@2'</u>														
<u>5</u>	<u>FL66@2'</u>														
<u>6</u>	<u>FL67@2'</u>														
<u>7</u>	<u>FL68@2'</u>														
<u>8</u>	<u>FL69@2'</u>														
<u>9</u>	<u>FL70@2'</u>														
<u>10</u>	<u>FL71@2'</u>														

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Relinquished By:	Date: <u>8-10-21</u> Time: <u>7:35</u>	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address: <u>pm@etechenv.com</u>
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>1.1</u> Corrected Temp. °C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	REMARKS: <u>Lowery changed sample ID on 8/31/21 T.O.</u>
		CHECKED BY: (Initials) <u>TO</u>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

FORM-006 R 3.1 06/04/20

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Etech Environmental</i>		BILL TO		ANALYSIS REQUEST									
Project Manager: <i>Joel Lowry</i>		P.O. #:											
Address: <i>2617 Marland</i>		Company: <i>Goodnight Midstrom</i>											
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>78260</i>		Attn:											
Phone #: <i>575-964-2881</i> Fax #:		Address:											
Project #: <i>14433</i> Project Owner: <i>Goodnight</i>		City:											
Project Name: <i>Blueberry SWD 7/3/21</i>		State: Zip:											
Project Location: <i>Rural Lea co, NM</i>		Phone #:											
Sampler Name: <i>Miguel Ramirez</i>		Fax #:											

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :							
<i>H212131</i>																			
<i>11</i>	<i>FL 72 @ 2'</i>	<i>1</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>8/9/20</i>		<i>X</i>	<i>X</i>	<i>X</i>	
<i>12</i>	<i>FL 73 @ 2'</i>																		
<i>13</i>	<i>FL 74 @ 2'</i>																		
<i>14</i>	<i>FL 75 @ 2'</i>																		
<i>15</i>	<i>FL 76 @ 2'</i>																		
<i>16</i>	<i>FL 77 @ 2'</i>																		
<i>17</i>	<i>FL 78 @ 2'</i>																		
<i>18</i>	<i>FL 79 @ 2'</i>																		
<i>19</i>	<i>FL 80 @ 2'</i>																		
<i>20</i>	<i>FL 81 @ 2'</i>																		

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Relinquished By: <i>[Signature]</i>	Date: <i>8-10-21</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: <i>1635</i>	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C <i>61</i>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS: <i>rm@etechev.com</i>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) <i>TO</i>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Etech Environmental</i>		BILL TO				ANALYSIS REQUEST																					
Project Manager: <i>Joel Lowry</i>		P.O. #:																									
Address: <i>2617 Marland</i>		Company: <i>Goodnight</i>																									
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88260</i>		Attn:																									
Phone #: <i>575-964-2881</i> Fax #:		Address:																									
Project #: <i>14433</i> Project Owner: <i>Goodnight</i>		City:																									
Project Name: <i>Blueberry SWD 7/3/21</i>		State: Zip:																									
Project Location: <i>Rural Lea Co, NM</i>		Phone #:																									
Sampler Name: <i>Miguel Ramirez</i>		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	Chlorides	BTEX	TPH										
<i>H212B1</i>																											
<i>21</i>	<i>FL 82@2'</i>	<i>↓</i>	<i>1</i>			<i>X</i>					<i>X</i>		<i>8/9/21</i>		<i>X</i>	<i>X</i>	<i>X</i>										
<i>22</i>	<i>FL 83@2'</i>	<i>↓</i>	<i>↓</i>																								
<i>23</i>	<i>FL 84@2'</i>	<i>↓</i>	<i>↓</i>																								
<i>24</i>	<i>DT1@6'</i>	<i>↓</i>	<i>↓</i>																								
<i>25</i>	<i>DT1@11'</i>	<i>↓</i>	<i>↓</i>																								
<i>26</i>	<i>DT1@13'</i>	<i>↓</i>	<i>↓</i>																								
<i>27</i>	<i>WW4</i>	<i>↓</i>	<i>1</i>										<i>8/9/21</i>		<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>added per Customer 8/11/21</i>									

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Relinquished By:	Date: <i>8-10-21</i>	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: <i>16:35</i>	Received By:	All Results are emailed. Please provide Email address: <i>PM@etechenv.com</i>
Delivered By: (Circle One)	Observed Temp. °C <i>1.1</i>	Sample Condition	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
		Checked By: (Initials) <i>Jo.</i>	Bacteria (only) Sample Condition
			Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor None
			Observed Temp. °C
			Corrected Temp. °C

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

August 17, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 08/12/21 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/10/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 85 @ 3' (H212158-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	96.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2021	ND	202	101	200	3.01	
DRO >C10-C28*	<10.0	10.0	08/14/2021	ND	216	108	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	08/14/2021	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.0 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/10/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 86 @ 3' (H212158-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	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	80.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2021	ND	202	101	200	3.01	
DRO >C10-C28*	<10.0	10.0	08/14/2021	ND	216	108	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	08/14/2021	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.9 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/10/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 87 @ 3' (H212158-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	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	64.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2021	ND	202	101	200	3.01	
DRO >C10-C28*	<10.0	10.0	08/14/2021	ND	216	108	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	08/14/2021	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.6 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/10/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 88 @ 3' (H212158-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	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	64.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.8 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/10/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 89 @ 3' (H212158-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	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	64.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.1 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2021
 Reported: 08/17/2021
 Project Name: BLUEBERRY SWD 7/3/21
 Project Number: 14433
 Project Location: GOODNIGHT - LEA CO NM

Sampling Date: 08/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 90 @ 3' (H212158-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	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	64.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 77.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/12/2021	Sampling Date:	08/10/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 91 @ 3' (H212158-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/12/2021	Sampling Date:	08/10/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 92 @ 3' (H212158-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.2 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/10/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 93 @ 3' (H212158-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	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	80.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 77.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.5 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 94 @ 3' (H212158-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	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	96.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 77.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.3 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 95 @ 3' (H212158-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	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	96.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 73.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 96 @ 3' (H212158-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	1.76	88.1	2.00	7.45	
Toluene*	<0.050	0.050	08/13/2021	ND	1.92	96.2	2.00	7.72	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.86	92.8	2.00	7.36	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.57	92.8	6.00	7.14	
Total BTEX	<0.300	0.300	08/13/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 73.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.6 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2021
 Reported: 08/17/2021
 Project Name: BLUEBERRY SWD 7/3/21
 Project Number: 14433
 Project Location: GOODNIGHT - LEA CO NM

Sampling Date: 08/12/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 97 @ 3' (H212158-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73	
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80	
Total BTEX	<0.300	0.300	08/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-133

Surrogate: 1-Chlorooctadecane 118 % 38.9-142

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Analytical Results For:

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

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 98 @ 3' (H212158-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73	
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80	
Total BTEX	<0.300	0.300	08/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Analytical Results For:

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

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 99 @ 3' (H212158-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73	
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80	
Total BTEX	<0.300	0.300	08/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	80.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Analytical Results For:

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

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 100 @ 3' (H212158-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73	
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80	
Total BTEX	<0.300	0.300	08/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

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

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 101 @ 3' (H212158-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73	
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80	
Total BTEX	<0.300	0.300	08/13/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Analytical Results For:

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

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 102 @ 3' (H212158-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73	
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80	
Total BTEX	<0.300	0.300	08/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

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

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 103 @ 3' (H212158-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73	
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80	
Total BTEX	<0.300	0.300	08/13/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Analytical Results For:

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

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 104 @ 2' (H212158-20)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73		
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37		
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73		
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80		
Total BTEX	<0.300	0.300	08/13/2021	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	64.0	16.0	08/13/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26		
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446		
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND						

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 105 @ 2' (H212158-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73	
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80	
Total BTEX	<0.300	0.300	08/13/2021	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	80.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/13/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/13/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/12/2021	Sampling Date:	08/12/2021
Reported:	08/17/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 25 @ 2.5' (H212158-22)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2021	ND	209	105	200	1.26	
DRO >C10-C28*	<10.0	10.0	08/14/2021	ND	190	94.8	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	08/14/2021	ND					
<hr/>									
Surrogate: 1-Chlorooctane	107 %	44.3-133							
Surrogate: 1-Chlorooctadecane	110 %	38.9-142							

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2021
 Reported: 08/17/2021
 Project Name: BLUEBERRY SWD 7/3/21
 Project Number: 14433
 Project Location: GOODNIGHT - LEA CO NM

Sampling Date: 08/12/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 6 (H212158-23)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2021	ND	2.00	100	2.00	4.73	
Toluene*	<0.050	0.050	08/13/2021	ND	2.07	104	2.00	5.37	
Ethylbenzene*	<0.050	0.050	08/13/2021	ND	1.99	99.7	2.00	4.73	
Total Xylenes*	<0.150	0.150	08/13/2021	ND	5.96	99.3	6.00	3.80	
Total BTEX	<0.300	0.300	08/13/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/13/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2021	ND	214	107	200	1.36	
DRO >C10-C28*	<10.0	10.0	08/16/2021	ND	215	107	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	08/16/2021	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>E-Tech Environmental</u>		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>Joel Lowry</u>		P.O. #:											
Address: <u>2617 Marland</u>		Company: <u>Goodnight</u>											
City: <u>Hobbs</u>	State: <u>NM</u>	Zip: <u>88260</u>	Attn:										
Phone #: <u>575-964-2881</u>	Fax #:	Address:											
Project #: <u>14433</u>	Project Owner: <u>Goodnight</u>		City:										
Project Name: <u>Blueberry SWD 7/3/21</u>		State: Zip:											
Project Location: <u>Rural Lea CO, NM</u>		Phone #:											
Sampler Name: <u>Miguel Ramirez</u>		Fax #:											

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
GROUNDWATER	WASTEWATER					SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:							
		<u>H212158</u>		<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>		<u>8/10/21</u>		<u>X</u>	<u>X</u>	<u>X</u>	
		<u>1</u>	<u>FL 85 @ 3'</u>																
		<u>2</u>	<u>FL 86 @ 3'</u>																
		<u>3</u>	<u>FL 87 @ 3'</u>																
		<u>4</u>	<u>FL 88 @ 3'</u>																
		<u>5</u>	<u>FL 89 @ 3'</u>																
		<u>6</u>	<u>FL 90 @ 3'</u>																
		<u>7</u>	<u>FL 91 @ 3'</u>																
		<u>8</u>	<u>FL 92 @ 3'</u>																
		<u>9</u>	<u>FL 93 @ 3'</u>																
		<u>10</u>	<u>FL 94 @ 3'</u>											<u>8/12/21</u>					

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Relinquished By:	Date: <u>8-12-21</u>	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>1655</u>		All Results are emailed. Please provide Email address:	
Relinquished By:	Date:	Received By:	<u>PM@etechnv.com</u>	
	Time:		REMARKS:	
Delivered By: (Circle One)	Observed Temp. °C <u>5.9</u>	Sample Condition	CHECKED BY: (Initials) <u>JO</u>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Cool <input type="checkbox"/> Intact		Bacteria (only) <input checked="" type="checkbox"/> Sample Condition
		<input type="checkbox"/> Yes <input type="checkbox"/> No		Cool Intact <input type="checkbox"/> Observed Temp. °C
		<input type="checkbox"/> No <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

FORM-006 R 3.1 06/04/20

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Etech Environmental</u>				BILL TO				ANALYSIS REQUEST																					
Project Manager: <u>Joel Lowry</u>				P.O. #:																									
Address: <u>2617 Marland</u>				Company:																									
City: <u>Hobbs</u>		State: <u>NM</u>		Zip: <u>88260</u>		Attn:																							
Phone #: <u>575-964-2881</u>		Fax #:		Address:																									
Project #: <u>14433</u>		Project Owner: <u>Goodnight</u>		City:																									
Project Name: <u>Blueberry SWD 7/3/21</u>				State: Zip:																									
Project Location: <u>Rural Lea Co, NM</u>				Phone #:																									
Sampler Name: <u>Miguel Ramirez</u>				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 / COOL	OTHER:	DATE	TIME														
<u>H212158</u>				∩			X				X		<u>8/12/21</u>		X	X	X												
<u>11</u>		<u>FL 95 @ 3'</u>		↓									↓																
<u>12</u>		<u>FL 96 @ 3'</u>		↓									↓																
<u>13</u>		<u>FL 97 @ 3'</u>		↓									↓																
<u>14</u>		<u>FL 98 @ 3'</u>		↓									↓																
<u>15</u>		<u>FL 99 @ 3'</u>		↓									↓																
<u>16</u>		<u>FL 100 @ 3'</u>		↓									↓																
<u>17</u>		<u>FL 101 @ 3'</u>		↓									↓																
<u>18</u>		<u>FL 102 @ 3'</u>		↓									↓																
<u>19</u>		<u>FL 103 @ 3'</u>		↓									↓																
<u>20</u>		<u>FL 104 @ 2'</u>		↓									↓																

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Relinquished By:		Date: <u>8-12-21</u>	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date: <u>1655</u>	Received By:		All Results are emailed. Please provide Email address: <u>pm@etechenr.com</u>	
Delivered By: (Circle One)		Observed Temp. °C <u>5.9</u>	Sample Condition		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Observed Temp. °C	
			Checked BY: (Initials) <u>JO.</u>		Thermometer ID #113	
					Correction Factor None	
					Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
					Corrected Temp. °C	

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Etech Environmental</i>		BILL TO		ANALYSIS REQUEST									
Project Manager: <i>Joel Laury</i>		P.O. #:											
Address: <i>2617 Marland</i>		Company: <i>Goodnight</i>											
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88260</i>		Attn:											
Phone #: <i>575-964-2881</i> Fax #:		Address:											
Project #: <i>14433</i> Project Owner: <i>Goodnight</i>		City:											
Project Name: <i>Blueberry SWD 7/3/21</i>		State: Zip:											
Project Location: <i>Rural Lea CO, NM</i>		Phone #:											
Sampler Name: <i>Miguel Ramirez</i>		Fax #:											

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	BTEX	Chlorides	TPH
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:					
<i>H212158</i>																	
<i>21</i>	<i>FL105 @ 2'</i>	<i>0</i>	<i>1</i>			<i>X</i>				<i>X</i>		<i>8/12/21</i>		<i>X</i>	<i>X</i>	<i>X</i>	
<i>22</i>	<i>FL 25 @ 2.5'</i>	<i>↓</i>	<i>↓</i>			<i>↓</i>				<i>↓</i>		<i>↓</i>		<i>X</i>	<i>X</i>	<i>X</i>	
<i>23</i>	<i>SW6</i>	<i>↓</i>	<i>↓</i>			<i>↓</i>				<i>↓</i>		<i>↓</i>		<i>X</i>	<i>X</i>	<i>X</i>	

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Relinquished By: <i>[Signature]</i>	Date: <i>8-12-21</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <i>1655</i>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <i>PM@etechenv.com</i>
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <i>5.9</i>	Sample Condition	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Bacteria (only) Sample Condition
		Checked By: <i>[Signature]</i>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #113
			Correction Factor None
			Corrected Temp. °C

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

August 19, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 08/17/21 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/17/2021	Sampling Date:	08/16/2021
Reported:	08/19/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 106 @ 3' (H212192-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2021	ND	1.79	89.5	2.00	7.09	QM-07	
Toluene*	<0.050	0.050	08/18/2021	ND	1.95	97.7	2.00	6.87		
Ethylbenzene*	<0.050	0.050	08/18/2021	ND	1.91	95.4	2.00	6.51		
Total Xylenes*	<0.150	0.150	08/18/2021	ND	5.75	95.9	6.00	6.13		
Total BTEX	<0.300	0.300	08/18/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/18/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/18/2021	ND	179	89.4	200	6.78		
DRO >C10-C28*	<10.0	10.0	08/18/2021	ND	194	97.1	200	4.50		
EXT DRO >C28-C36	<10.0	10.0	08/18/2021	ND						

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 122 % 38.9-142

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/17/2021	Sampling Date:	08/16/2021
Reported:	08/19/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 107 @ 3' (H212192-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2021	ND	1.79	89.5	2.00	7.09	
Toluene*	<0.050	0.050	08/18/2021	ND	1.95	97.7	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/18/2021	ND	1.91	95.4	2.00	6.51	
Total Xylenes*	<0.150	0.150	08/18/2021	ND	5.75	95.9	6.00	6.13	
Total BTEX	<0.300	0.300	08/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	112	16.0	08/18/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2021	ND	179	89.4	200	6.78	
DRO >C10-C28*	<10.0	10.0	08/18/2021	ND	194	97.1	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/18/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/17/2021	Sampling Date:	08/16/2021
Reported:	08/19/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 108 @ 3' (H212192-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2021	ND	1.79	89.5	2.00	7.09	
Toluene*	<0.050	0.050	08/18/2021	ND	1.95	97.7	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/18/2021	ND	1.91	95.4	2.00	6.51	
Total Xylenes*	<0.150	0.150	08/18/2021	ND	5.75	95.9	6.00	6.13	
Total BTEX	<0.300	0.300	08/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	144	16.0	08/18/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2021	ND	179	89.4	200	6.78	
DRO >C10-C28*	<10.0	10.0	08/18/2021	ND	194	97.1	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/18/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 118 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/17/2021	Sampling Date:	08/16/2021
Reported:	08/19/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 109 @ 3' (H212192-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2021	ND	1.79	89.5	2.00	7.09	
Toluene*	<0.050	0.050	08/18/2021	ND	1.95	97.7	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/18/2021	ND	1.91	95.4	2.00	6.51	
Total Xylenes*	<0.150	0.150	08/18/2021	ND	5.75	95.9	6.00	6.13	
Total BTEX	<0.300	0.300	08/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	80.0	16.0	08/18/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2021	ND	179	89.4	200	6.78	
DRO >C10-C28*	<10.0	10.0	08/18/2021	ND	194	97.1	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/18/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 124 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/17/2021	Sampling Date:	08/16/2021
Reported:	08/19/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 110 @ 3' (H212192-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2021	ND	1.79	89.5	2.00	7.09	
Toluene*	<0.050	0.050	08/18/2021	ND	1.95	97.7	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/18/2021	ND	1.91	95.4	2.00	6.51	
Total Xylenes*	<0.150	0.150	08/18/2021	ND	5.75	95.9	6.00	6.13	
Total BTEX	<0.300	0.300	08/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	48.0	16.0	08/18/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2021	ND	179	89.4	200	6.78	
DRO >C10-C28*	<10.0	10.0	08/18/2021	ND	194	97.1	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/18/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 122 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/17/2021	Sampling Date:	08/16/2021
Reported:	08/19/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 111 @ 3' (H212192-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2021	ND	1.79	89.5	2.00	7.09	
Toluene*	<0.050	0.050	08/18/2021	ND	1.95	97.7	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/18/2021	ND	1.91	95.4	2.00	6.51	
Total Xylenes*	<0.150	0.150	08/18/2021	ND	5.75	95.9	6.00	6.13	
Total BTEX	<0.300	0.300	08/18/2021	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	64.0	16.0	08/18/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2021	ND	179	89.4	200	6.78	
DRO >C10-C28*	<10.0	10.0	08/18/2021	ND	194	97.1	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/18/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 129 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/17/2021	Sampling Date:	08/16/2021
Reported:	08/19/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 112 @ 2' (H212192-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2021	ND	1.79	89.5	2.00	7.09	
Toluene*	<0.050	0.050	08/18/2021	ND	1.95	97.7	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/18/2021	ND	1.91	95.4	2.00	6.51	
Total Xylenes*	<0.150	0.150	08/18/2021	ND	5.75	95.9	6.00	6.13	
Total BTEX	<0.300	0.300	08/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	08/18/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2021	ND	179	89.4	200	6.78	
DRO >C10-C28*	<10.0	10.0	08/18/2021	ND	194	97.1	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/18/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 126 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/17/2021	Sampling Date:	08/16/2021
Reported:	08/19/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 113 @ 2' (H212192-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2021	ND	1.79	89.5	2.00	7.09	
Toluene*	<0.050	0.050	08/18/2021	ND	1.95	97.7	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/18/2021	ND	1.91	95.4	2.00	6.51	
Total Xylenes*	<0.150	0.150	08/18/2021	ND	5.75	95.9	6.00	6.13	
Total BTEX	<0.300	0.300	08/18/2021	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	80.0	16.0	08/19/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2021	ND	179	89.4	200	6.78	
DRO >C10-C28*	<10.0	10.0	08/18/2021	ND	194	97.1	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/18/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 127 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/17/2021	Sampling Date:	08/16/2021
Reported:	08/19/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 114 @ 2' (H212192-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2021	ND	1.79	89.5	2.00	7.09		
Toluene*	<0.050	0.050	08/18/2021	ND	1.95	97.7	2.00	6.87		
Ethylbenzene*	<0.050	0.050	08/18/2021	ND	1.91	95.4	2.00	6.51		
Total Xylenes*	<0.150	0.150	08/18/2021	ND	5.75	95.9	6.00	6.13		
Total BTEX	<0.300	0.300	08/18/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/19/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/18/2021	ND	179	89.4	200	6.78		
DRO >C10-C28*	<10.0	10.0	08/18/2021	ND	194	97.1	200	4.50		
EXT DRO >C28-C36	<10.0	10.0	08/18/2021	ND						

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 128 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>E Tech Environmental</u>		BILL TO				ANALYSIS REQUEST																			
Project Manager: <u>Sael Lawry</u>		P.O. #:																							
Address: <u>2617 Marland</u>		Company: <u>Goodnight</u>																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn:																							
Phone #: <u>575-964-2881</u> Fax #:		Address:																							
Project #: <u>14433</u> Project Owner:		City:																							
Project Name: <u>Blueberry SWD 7/3/21</u>		State: Zip:																							
Project Location: <u>Rural Lea Co, NM</u>		Phone #:																							
Sampler Name: <u>Margaret Perry</u>		Fax #:																							
FOR LAB USE ONLY		MATRIX		PRESERV.														SAMPLING							
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
<u>H212192</u>																									
<u>1</u>	<u>FL 106 @ 3'</u>	<u>7</u>			<u>X</u>							<u>8/16/21</u>		<u>Chlorides</u>											
<u>2</u>	<u>FL 107 @ 3'</u>													<u>BTEX</u>											
<u>3</u>	<u>FL 108 @ 3'</u>													<u>TPH</u>											
<u>4</u>	<u>FL 109 @ 3'</u>																								
<u>5</u>	<u>FL 110 @ 3'</u>																								
<u>6</u>	<u>FL 111 @ 3'</u>																								
<u>7</u>	<u>FL 112 @ 2'</u>																								
<u>8</u>	<u>FL 113 @ 2'</u>																								
<u>9</u>	<u>FL 114 @ 2'</u>																								

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Relinquished By: <u>[Signature]</u>	Date: <u>8-17-21</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>1555</u>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <u>3.2</u>	Sample Condition Cool Intact	CHECKED BY: (Initials) <u>T.S.</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
		<input type="checkbox"/> No <input type="checkbox"/> No	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
			Thermometer ID #113 Correction Factor None

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsonm.com



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

November 10, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 08/19/21 16:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
10-Nov-21 16:18

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NW 4	H212224-01	Soil	18-Aug-21 00:00	19-Aug-21 16:42
NW 5	H212224-02	Soil	18-Aug-21 00:00	19-Aug-21 16:42
NW 6	H212224-03	Soil	18-Aug-21 00:00	19-Aug-21 16:42
NW 7	H212224-04	Soil	18-Aug-21 00:00	19-Aug-21 16:42
EW 7	H212224-05	Soil	18-Aug-21 00:00	19-Aug-21 16:42
EW 3	H212224-06	Soil	18-Aug-21 00:00	19-Aug-21 16:42
NW 8	H212224-07	Soil	18-Aug-21 00:00	19-Aug-21 16:42
FL 115 @ 2'	H212224-08	Soil	18-Aug-21 00:00	19-Aug-21 16:42
FL 116 @ 2'	H212224-09	Soil	18-Aug-21 00:00	19-Aug-21 16:42
FL 117 @ 2'	H212224-10	Soil	18-Aug-21 00:00	19-Aug-21 16:42
FL 118 @ 2'	H212224-11	Soil	18-Aug-21 00:00	19-Aug-21 16:42
FL 119 @ 2'	H212224-12	Soil	18-Aug-21 00:00	19-Aug-21 16:42
FL 120 @ 2'	H212224-13	Soil	18-Aug-21 00:00	19-Aug-21 16:42
FL 121 @ 2'	H212224-14	Soil	18-Aug-21 00:00	19-Aug-21 16:42
FL 122 @ 2'	H212224-15	Soil	18-Aug-21 00:00	19-Aug-21 16:42
FL 123 @ 2'	H212224-16	Soil	18-Aug-21 00:00	19-Aug-21 16:42
SW 7	H212224-17	Soil	19-Aug-21 00:00	19-Aug-21 16:42
WW 7	H212224-18	Soil	19-Aug-21 00:00	19-Aug-21 16:42
SW 8	H212224-19	Soil	19-Aug-21 00:00	19-Aug-21 16:42
CODE F1 @ 13'	H212224-20	Soil	19-Aug-21 00:00	19-Aug-21 16:42
EW 4	H212224-21	Soil	19-Aug-21 00:00	19-Aug-21 16:42
EW 5	H212224-22	Soil	19-Aug-21 00:00	19-Aug-21 16:42
WW 5	H212224-23	Soil	19-Aug-21 00:00	19-Aug-21 16:42
FL 124 @ 4'	H212224-24	Soil	19-Aug-21 00:00	19-Aug-21 16:42
FL 125 @ 4'	H212224-25	Soil	19-Aug-21 00:00	19-Aug-21 16:42
FL 126 @ 4'	H212224-26	Soil	19-Aug-21 00:00	19-Aug-21 16:42
FL 127 @ 4'	H212224-27	Soil	19-Aug-21 00:00	19-Aug-21 16:42

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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
2617 W MARLAND
HOBBS NM, 88240

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
10-Nov-21 16:18

11/10/21 - Sample ID for -05 changed by client. This is the revised report and will replace the one sent on 08/25/21.

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**NW 4
H212224-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	13800		16.0	mg/kg	4	1082302	AC	23-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	20-Aug-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.7 %		69.9-140	1082013	MS	20-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

Surrogate: 1-Chlorooctane			90.8 %		44.3-133	1082009	MS	23-Aug-21	8015B	
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Surrogate: 1-Chlorooctadecane			87.2 %		38.9-142	1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**NW 5
H212224-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16000		16.0	mg/kg	4	1082302	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	20-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1082013	MS	20-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.4 %	44.3-133		1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.9 %	38.9-142		1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**NW 6
H212224-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1330		16.0	mg/kg	4	1082302	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	20-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1082013	MS	20-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.8 %	44.3-133		1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.4 %	38.9-142		1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**NW 7
H212224-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	4040		16.0	mg/kg	4	1082302	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	20-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1082013	MS	20-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.3 %	44.3-133		1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.5 %	38.9-142		1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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EW 7

H212224-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1082302	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	20-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %		69.9-140	1082013	MS	20-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.9 %		44.3-133	1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.2 %		38.9-142	1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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EW 3

H212224-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	480		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	20-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	69.9-140		1082013	MS	20-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.9 %	44.3-133		1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.5 %	38.9-142		1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**NW 8
H212224-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	20-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	20-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	69.9-140		1082013	MS	20-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.3 %	44.3-133		1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			80.5 %	38.9-142		1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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FL 115 @ 2'
H212224-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.1 %	69.9-140		1082013	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.5 %	44.3-133		1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.1 %	38.9-142		1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 116 @ 2'
H212224-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.8 %		69.9-140	1082013	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.9 %		44.3-133	1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.6 %		38.9-142	1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 117 @ 2'
H212224-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.2 %		69.9-140	1082013	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.1 %		44.3-133	1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.6 %		38.9-142	1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 118 @ 2'
H212224-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.6 %	69.9-140		1082013	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.6 %	44.3-133		1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.3 %	38.9-142		1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 119 @ 2'
H212224-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.3 %		69.9-140	1082013	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.6 %		44.3-133	1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.6 %		38.9-142	1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 120 @ 2'
H212224-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	224		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.5 %		69.9-140	1082013	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.0 %		44.3-133	1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.2 %		38.9-142	1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 121 @ 2'
H212224-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082013	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082013	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	69.9-140		1082013	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			71.0 %	44.3-133		1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			68.8 %	38.9-142		1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 122 @ 2'
H212224-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	240		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.6 %	69.9-140		1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.1 %	44.3-133		1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			75.0 %	38.9-142		1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 123 @ 2'
H212224-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	304		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.3 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			66.0 %		44.3-133	1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			64.1 %		38.9-142	1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**SW 7
H212224-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	576		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.4 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082009	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			65.5 %		44.3-133	1082009	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			65.0 %		38.9-142	1082009	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**WW 7
H212224-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2440		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			70.9 %		44.3-133	1082010	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			66.8 %		38.9-142	1082010	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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SW 8

H212224-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	384		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.2 %		44.3-133	1082010	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.7 %		38.9-142	1082010	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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CODE F1 @ 13'
H212224-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	336		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			70.1 %		44.3-133	1082010	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			69.8 %		38.9-142	1082010	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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EW 4

H212224-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	144		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.7 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			73.3 %		44.3-133	1082010	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			69.6 %		38.9-142	1082010	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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EW 5

H212224-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2560		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.6 %		44.3-133	1082010	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.3 %		38.9-142	1082010	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**WW 5
H212224-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1340		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.7 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.0 %		44.3-133	1082010	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			75.4 %		38.9-142	1082010	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 124 @ 4'
H212224-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	5760		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

Surrogate: 1-Chlorooctane			78.1 %	44.3-133		1082010	MS	23-Aug-21	8015B	
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Surrogate: 1-Chlorooctadecane			72.4 %	38.9-142		1082010	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 125 @ 4'
H212224-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	5330		16.0	mg/kg	4	1082303	AC	23-Aug-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.8 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.4 %		44.3-133	1082010	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.2 %		38.9-142	1082010	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 126 @ 4'
H212224-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	5600		16.0	mg/kg	4	1082019	AC	23-Aug-21	4500-CI-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140 1082014 MS 21-Aug-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

Surrogate: 1-Chlorooctane 78.1 % 44.3-133 1082010 MS 23-Aug-21 8015B

Surrogate: 1-Chlorooctadecane 78.4 % 38.9-142 1082010 MS 23-Aug-21 8015B

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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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**FL 127 @ 4'
H212224-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	5360		16.0	mg/kg	4	1082019	AC	23-Aug-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1082014	MS	21-Aug-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1082014	MS	21-Aug-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.7 %		69.9-140	1082014	MS	21-Aug-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1082010	MS	23-Aug-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.5 %		44.3-133	1082010	MS	23-Aug-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.8 %		38.9-142	1082010	MS	23-Aug-21	8015B	
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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1082019 - 1:4 DI Water

Blank (1082019-BLK1)				Prepared & Analyzed: 20-Aug-21						
Chloride	ND	16.0	mg/kg							
LCS (1082019-BS1)				Prepared & Analyzed: 20-Aug-21						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1082019-BSD1)				Prepared & Analyzed: 20-Aug-21						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

Batch 1082302 - 1:4 DI Water

Blank (1082302-BLK1)				Prepared & Analyzed: 23-Aug-21						
Chloride	ND	16.0	mg/kg							
LCS (1082302-BS1)				Prepared & Analyzed: 23-Aug-21						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1082302-BSD1)				Prepared & Analyzed: 23-Aug-21						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

Batch 1082303 - 1:4 DI Water

Blank (1082303-BLK1)				Prepared & Analyzed: 23-Aug-21						
Chloride	ND	16.0	mg/kg							
LCS (1082303-BS1)				Prepared & Analyzed: 23-Aug-21						
Chloride	416	16.0	mg/kg	400		104	80-120			

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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1082303 - 1:4 DI Water

LCS Dup (1082303-BSD1)

Prepared & Analyzed: 23-Aug-21

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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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
2617 W MARLAND
HOBBS NM, 88240

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
10-Nov-21 16:18

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1082013 - Volatiles**Blank (1082013-BLK1)**

Prepared & Analyzed: 20-Aug-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	69.9-140			

LCS (1082013-BS1)

Prepared & Analyzed: 20-Aug-21

Benzene	2.09	0.050	mg/kg	2.00		105	85.1-114			
Toluene	2.20	0.050	mg/kg	2.00		110	88.6-116			
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	84.4-115			
m,p-Xylene	4.38	0.100	mg/kg	4.00		110	85.5-116			
o-Xylene	1.96	0.050	mg/kg	2.00		98.2	85.2-111			
Total Xylenes	6.35	0.150	mg/kg	6.00		106	86.2-113			
Surrogate: 4-Bromofluorobenzene (PID)	0.0537		mg/kg	0.0500		107	69.9-140			

LCS Dup (1082013-BSD1)

Prepared & Analyzed: 20-Aug-21

Benzene	2.12	0.050	mg/kg	2.00		106	85.1-114	1.25	12.6	
Toluene	2.18	0.050	mg/kg	2.00		109	88.6-116	1.17	13.3	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	84.4-115	1.35	13.9	
m,p-Xylene	4.32	0.100	mg/kg	4.00		108	85.5-116	1.57	13.6	
o-Xylene	1.93	0.050	mg/kg	2.00		96.3	85.2-111	1.96	14.1	
Total Xylenes	6.24	0.150	mg/kg	6.00		104	86.2-113	1.69	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	69.9-140			

Batch 1082014 - Volatiles**Blank (1082014-BLK1)**

Prepared: 20-Aug-21 Analyzed: 21-Aug-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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
2617 W MARLAND
HOBBS NM, 88240

Project: BLUEBERRY SWD 7/3/21
Project Number: 14433
Project Manager: JOEL LOWRY
Fax To:

Reported:
10-Nov-21 16:18

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1082014 - Volatiles**Blank (1082014-BLK1)**

Prepared: 20-Aug-21 Analyzed: 21-Aug-21

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.3	69.9-140			

LCS (1082014-BS1)

Prepared & Analyzed: 20-Aug-21

Benzene	1.91	0.050	mg/kg	2.00		95.4	85.1-114			
Toluene	2.06	0.050	mg/kg	2.00		103	88.6-116			
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	84.4-115			
m,p-Xylene	4.06	0.100	mg/kg	4.00		102	85.5-116			
o-Xylene	1.98	0.050	mg/kg	2.00		98.9	85.2-111			
Total Xylenes	6.04	0.150	mg/kg	6.00		101	86.2-113			
Surrogate: 4-Bromofluorobenzene (PID)	0.0484		mg/kg	0.0500		96.8	69.9-140			

LCS Dup (1082014-BSD1)

Prepared & Analyzed: 20-Aug-21

Benzene	1.82	0.050	mg/kg	2.00		90.9	85.1-114	4.77	12.6	
Toluene	1.97	0.050	mg/kg	2.00		98.6	88.6-116	4.59	13.3	
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.1	84.4-115	4.70	13.9	
m,p-Xylene	3.90	0.100	mg/kg	4.00		97.4	85.5-116	4.15	13.6	
o-Xylene	1.88	0.050	mg/kg	2.00		94.0	85.2-111	5.03	14.1	
Total Xylenes	5.78	0.150	mg/kg	6.00		96.3	86.2-113	4.44	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0491		mg/kg	0.0500		98.1	69.9-140			

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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1082009 - General Prep - Organics

Blank (1082009-BLK1)		Prepared: 20-Aug-21 Analyzed: 23-Aug-21								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.1		mg/kg	50.0		90.2	44.3-133			
Surrogate: 1-Chlorooctadecane	43.5		mg/kg	50.0		87.0	38.9-142			

LCS (1082009-BS1)		Prepared: 20-Aug-21 Analyzed: 23-Aug-21								
GRO C6-C10	218	10.0	mg/kg	200		109	83.4-129			
DRO >C10-C28	228	10.0	mg/kg	200		114	79.3-136			
Total TPH C6-C28	446	10.0	mg/kg	400		112	85.3-130			
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	44.3-133			
Surrogate: 1-Chlorooctadecane	48.0		mg/kg	50.0		96.1	38.9-142			

LCS Dup (1082009-BSD1)		Prepared: 20-Aug-21 Analyzed: 23-Aug-21								
GRO C6-C10	219	10.0	mg/kg	200		109	83.4-129	0.561	12.6	
DRO >C10-C28	229	10.0	mg/kg	200		114	79.3-136	0.317	12.1	
Total TPH C6-C28	448	10.0	mg/kg	400		112	85.3-130	0.436	11.6	
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	44.3-133			
Surrogate: 1-Chlorooctadecane	48.2		mg/kg	50.0		96.4	38.9-142			

Batch 1082010 - General Prep - Organics

Blank (1082010-BLK1)		Prepared: 20-Aug-21 Analyzed: 23-Aug-21								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.4		mg/kg	50.0		82.8	44.3-133			
Surrogate: 1-Chlorooctadecane	39.2		mg/kg	50.0		78.5	38.9-142			

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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 2617 W MARLAND HOBBS NM, 88240	Project: BLUEBERRY SWD 7/3/21 Project Number: 14433 Project Manager: JOEL LOWRY Fax To:	Reported: 10-Nov-21 16:18
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1082010 - General Prep - Organics

LCS (1082010-BS1)

Prepared: 20-Aug-21 Analyzed: 23-Aug-21

GRO C6-C10	187	10.0	mg/kg	200		93.7	83.4-129			
DRO >C10-C28	211	10.0	mg/kg	200		106	79.3-136			
Total TPH C6-C28	398	10.0	mg/kg	400		99.6	85.3-130			
Surrogate: 1-Chlorooctane	44.3		mg/kg	50.0		88.6	44.3-133			
Surrogate: 1-Chlorooctadecane	43.0		mg/kg	50.0		85.9	38.9-142			

LCS Dup (1082010-BSD1)

Prepared: 20-Aug-21 Analyzed: 23-Aug-21

GRO C6-C10	194	10.0	mg/kg	200		97.0	83.4-129	3.45	12.6	
DRO >C10-C28	218	10.0	mg/kg	200		109	79.3-136	3.15	12.1	
Total TPH C6-C28	412	10.0	mg/kg	400		103	85.3-130	3.29	11.6	
Surrogate: 1-Chlorooctane	44.9		mg/kg	50.0		89.7	44.3-133			
Surrogate: 1-Chlorooctadecane	44.3		mg/kg	50.0		88.5	38.9-142			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2323 FAX (575) 393-2476

Company Name: ETech Environmental
Project Manager: Joel Lowry
Address: 2617 Marland
City: Hobbs State: NM Zip: 88240
Phone #: 575-964-2881 Fax #: -
Project #: 14433 Project Owner: Goodnight
Project Name: Blueberry SWD 7/13/21
Project Location: Rural Lea co, NM
Sampler Name: Miguel Ramirez

Table with columns: Lab I.D., Sample I.D., MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME). Includes handwritten entries for samples 01-10 and analysis results for Chlorides, BTEX, and TPH.

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.

Relinquished By: [Signature] Date: 8/19/21
Received By: Brandi Oldake Date: 9/4/21
Observed Temp. °C: 1.5
Sample Condition: Cool Intact
CHECKED BY: [Signature]
Turnaround Time: Standard
Bacteria (only) Sample Condition: Cool Intact

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental		BILL TO		ANALYSIS REQUEST									
Project Manager: Joel Lowry		P.O. #:											
Address: 2617 Marland		Company: Goodnight											
City: 575-964-2881 State: NM Zip: 88240		Attn:											
Phone #: Hobbs Fax #:		Address:											
Project #: 14433 Project Owner: Goodnight		City:											
Project Name: Blueberry SWD 7/3/21		State: Zip:											
Project Location: Rural Lea Co, NM		Phone #:											
Sampler Name: Miguel Ramirez		Fax #:											

FOR LAB USE ONLY		(GRAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.	SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL					
H212224-															
11	FL118 @ 2'	1		X					X		8/18/21		X	X	X
12	FL119 @ 2'														
13	FL120 @ 2'														
14	FL121 @ 2'														
15	FL122 @ 2'														
16	FL123 @ 2'														
17	SW7										8/19/21				
18	WW7														
19	SW8														
20	CODEF1 @ 13'														

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Relinquished By:	Date: 8/19/21 Time: 4:42	Received By: Brandi Adaku	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address: PM@ctechenv.com
Delivered By: (Circle One)	Observed Temp. °C 1.5	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) 1.5 BSW	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor None Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form with fields for Company Name, Project Manager, Address, City, State, Zip, Phone, Fax, Project, Project Name, Project Location, Sampler Name, and a table for Matrix, Preserv, and Sampling analysis results.

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.

Form with fields for Relinquished By, Received By, Date, Time, Verbal Result, Remarks, Turnaround Time, and Bacteria (only) Sample Condition.

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

August 26, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 08/24/21 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/24/2021	Sampling Date:	08/20/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 128 @ 2' (H212258-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40	QM-07	
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72		
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34		
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88		
Total BTEX	<0.300	0.300	08/25/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/25/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	221	110	200	1.94		
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	230	115	200	0.508		
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND						

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.9 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/24/2021	Sampling Date:	08/20/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 129 @ 2' (H212258-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40		
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72		
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34		
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88		
Total BTEX	<0.300	0.300	08/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	48.0	16.0	08/25/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	221	110	200	1.94		
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	230	115	200	0.508		
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND						

Surrogate: 1-Chlorooctane 81.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.0 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/24/2021	Sampling Date:	08/20/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 130 @ 2' (H212258-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40		
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72		
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34		
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88		
Total BTEX	<0.300	0.300	08/25/2021	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	32.0	16.0	08/25/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83		
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND						

Surrogate: 1-Chlorooctane 84.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.9 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 131 @ 13' (H212258-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40	
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2021	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	688	16.0	08/25/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.7 % 38.9-142

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 132 @ 4' (H212258-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40	
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	432	16.0	08/25/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.7 % 38.9-142

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 133 @ 7' (H212258-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40	
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	272	16.0	08/25/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 134 @ 4' (H212258-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40	
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	08/25/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 68.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.9 % 38.9-142

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Analytical Results For:

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

Received: 08/24/2021
 Reported: 08/26/2021
 Project Name: BLUEBERRY SWD 7/3/21
 Project Number: 14433
 Project Location: GOODNIGHT - LEA CO NM

Sampling Date: 08/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 136 @ 4' (H212258-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40	
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	2520	16.0	08/25/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 137 @ 4' (H212258-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40	
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	128	16.0	08/25/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.2 % 38.9-142

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 138 @ 4' (H212258-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.75	87.6	2.00	3.40	
Toluene*	<0.050	0.050	08/25/2021	ND	1.91	95.6	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.86	93.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.66	94.3	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	1150	16.0	08/25/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.1 % 38.9-142

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 139 @ 4' (H212258-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 59.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 51.0 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 141 @ 4' (H212258-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	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	1920	16.0	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.0 % 38.9-142

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 142 @ 4' (H212258-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 71.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.1 % 38.9-142

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 145 @ 4' (H212258-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	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	320	16.0	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	83.2	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	19.6	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 146 @ 4' (H212258-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	448	16.0	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.5 % 38.9-142

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 147 @ 4' (H212258-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	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	192	16.0	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.6 % 38.9-142

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 148 @ 4' (H212258-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	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	1400	16.0	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.5 % 38.9-142

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 9 @ 2.5' (H212258-18)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					
<hr/>									
Surrogate: 1-Chlorooctane	79.4 %	44.3-133							
Surrogate: 1-Chlorooctadecane	71.9 %	38.9-142							

Sample ID: FL 10 @ 2.5' (H212258-19)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					
<hr/>									
Surrogate: 1-Chlorooctane	82.8 %	44.3-133							
Surrogate: 1-Chlorooctadecane	76.6 %	38.9-142							

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Analytical Results For:

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

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 11 @ 2.5' (H212258-20)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>79.4 %</i>	<i>44.3-133</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>75.7 %</i>	<i>38.9-142</i>						

Sample ID: NW 1B (H212258-21)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	232	116	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>85.8 %</i>	<i>44.3-133</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>86.1 %</i>	<i>38.9-142</i>						

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental
 Project Manager: Joel Lowry
 Address: 2617 Marland
 City: Hobbs State: NM Zip: 88240
 Phone #: 575-964-2881 Fax #: -
 Project #: 14433 Project Owner: Goodnight
 Project Name: Blueberry SWD
 Project Location: Rural Lea Co, NM
 Sampler Name: Miguel Ramirez

BILL TO
 P.O. #:
 Company: Goodnight
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	Chlorides	BTEX	TPH	
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER							
<u>H212258</u>																		
1	FL 128 @ 2'	C 1			X					X				8/20/21		X	X	X
2	FL 129 @ 2'																	
3	FL 130 @ 2'																	
4	FL 131 @ 13'													8/24/21				
5	FL 132 @ 4'																	
6	FL 133 @ 7'																	
7	FL 134 @ 4'																	
8	FL 136 @ 4'																	
9	FL 137 @ 4'																	
10	FL 138 @ 4'																	

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Relinquished By: [Signature] Date: 8-24-21 Time: 1655
 Relinquished By: _____ Date: _____ Time: _____
 Received By: [Signature] Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____

Delivered By: (Circle One) JPS Bus Other: _____
 Sampler - JPS - Bus - Other: _____
 Observed Temp. °C: 25.0
 Corrected Temp. °C: _____
 Sample Condition Cool Intact Yes No Yes No
 CHECKED BY: (Initials) Y.O.

Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address: PM@etechenv.com
 REMARKS:
 Turnaround Time: Standard Rush
 Bacteria (only) Sample Condition Cool Intact Yes No Yes No
 Thermometer ID #113 Correction Factor None
 Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental		BILL TO		ANALYSIS REQUEST											
Project Manager: Joel Lowry		P.O. #:													
Address: 2617 Marland		Company: Goodnight													
City: Hobbs State: NM Zip: 88240		Attn:													
Phone #: 575-964-2801 Fax #:		Address:													
Project #: 14433 Project Owner: Goodnight		City:													
Project Name: Blueberry SWD 7/3/21		State: Zip:													
Project Location: Rural Lea Co, NM		Phone #:													
Sampler Name: Miguel Ramirez		Fax #:													

FOR LAB USE ONLY		G/RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME													
11	FL 139 @ 4'	C	1			X				X	8/24/21		X	X	X												
12	FL 141 @ 4'																										
13	FL 142 @ 4'																										
14	FL 145 @ 4'																										
15	FL 146 @ 4'																										
16	FL 147 @ 4'																										
17	FL 148 @ 4'																										
18	FL 9 @ 2.5'																										
19	FL 10 @ 2.5'																										
20	FL 11 @ 2.5'																										

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.

Relinquished By:	Date: 8-24-21	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: 7:55		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: pm @ etechenv.com
Delivered By: (Circle One)	Observed Temp. °C 25	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS <input type="checkbox"/> Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) JO	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor None <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsonm.com



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

August 26, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD CRUDE OIL RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/24/21 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD CRUDE OIL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14527	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 135 @ 4' (H212259-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	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	1880	16.0	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	185	92.3	200	2.94	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	192	96.2	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.0 % 38.9-142

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD CRUDE OIL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14527	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 140 @ 4' (H212259-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	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	3040	16.0	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	185	92.3	200	2.94	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	192	96.2	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.4 % 38.9-142

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD CRUDE OIL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14527	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 143 @ 6' (H212259-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	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	336	16.0	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	185	92.3	200	2.94	
DRO >C10-C28*	20.0	10.0	08/25/2021	ND	192	96.2	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.7 % 38.9-142

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/24/2021	Sampling Date:	08/24/2021
Reported:	08/26/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD CRUDE OIL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	14527	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 144 @ 4' (H212259-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2021	ND	1.94	96.8	2.00	2.78	
Toluene*	<0.050	0.050	08/25/2021	ND	2.00	99.8	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/25/2021	ND	1.95	97.4	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/25/2021	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	08/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/25/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2021	ND	185	92.3	200	2.94	
DRO >C10-C28*	<10.0	10.0	08/25/2021	ND	192	96.2	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	08/25/2021	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.4 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

September 02, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 08/27/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: EW 6 (H212335-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2021	ND	1.91	95.3	2.00	5.65	
Toluene*	<0.050	0.050	08/30/2021	ND	1.94	97.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/30/2021	ND	1.86	93.2	2.00	4.74	
Total Xylenes*	<0.150	0.150	08/30/2021	ND	5.72	95.4	6.00	4.01	
Total BTEX	<0.300	0.300	08/30/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	198	99.1	200	4.89	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	7.41	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.5 % 38.9-142

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: SW 9 (H212335-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2021	ND	1.91	95.3	2.00	5.65	
Toluene*	<0.050	0.050	08/30/2021	ND	1.94	97.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/30/2021	ND	1.86	93.2	2.00	4.74	
Total Xylenes*	<0.150	0.150	08/30/2021	ND	5.72	95.4	6.00	4.01	
Total BTEX	<0.300	0.300	08/30/2021	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	224	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	198	99.1	200	4.89	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	7.41	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.1 % 38.9-142

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Analytical Results For:

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

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 149 @ 4' (H212335-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2021	ND	1.91	95.3	2.00	5.65	
Toluene*	<0.050	0.050	08/30/2021	ND	1.94	97.1	2.00	4.97	
Ethylbenzene*	<0.050	0.050	08/30/2021	ND	1.86	93.2	2.00	4.74	
Total Xylenes*	<0.150	0.150	08/30/2021	ND	5.72	95.4	6.00	4.01	
Total BTEX	<0.300	0.300	08/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	198	99.1	200	4.89	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	7.41	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.2 % 38.9-142

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Analytical Results For:

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

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 150 @ 4' (H212335-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	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	128	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	198	99.1	200	4.89	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	7.41	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
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Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 151 @ 3' (H212335-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.7 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
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Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 152 @ 3' (H212335-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	96.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.3 % 38.9-142

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Analytical Results For:

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 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
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Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 153 @ 3' (H212335-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	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	96.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.0 % 38.9-142

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Analytical Results For:

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

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 154 @ 3' (H212335-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	32.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 76.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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Analytical Results For:

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

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 155 @ 3' (H212335-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	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	32.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.7 % 38.9-142

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Analytical Results For:

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

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 156 @ 3' (H212335-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	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	32.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 77.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.3 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 157 @ 3' (H212335-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	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	<16.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 76.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.8 % 38.9-142

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 158 @ 3' (H212335-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	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	<16.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.2 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 159 @ 3' (H212335-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	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	<16.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 71.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.2 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/27/2021	Sampling Date:	08/27/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 160 @ 3' (H212335-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	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	<16.0	16.0	08/30/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: E Tech Environmental		BILL TO		ANALYSIS REQUEST	
Project Manager: Joel Lowry		P.O. #:			
Address: 2617 Marland		Company: Goodnight			
City: Hobbs State: NM Zip: 88240		Attn:			
Phone #: 575.964.2981 Fax #: -		Address:			
Project #: 14433 Project Owner: Goodnight		City:			
Project Name: Blueberry SW# 7/3/21		State: Zip:			
Project Location: Rural Lea Co, NM		Phone #:			
Sampler Name: Miguel Ramirez		Fax #:			

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.	SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE	ICE / COOL					
		H212335															
		1	EW56	1				X					8/27/21		X	X	X
		2	SW9														
		3	FL 149 @ 4'														
		4	FL 150 @ 4'														
		5	FL 151 @ 3'														
		6	FL 152 @ 3'														
		7	FL 153 @ 3'														
		8	FL 154 @ 3'														
		9	FL 155 @ 3'														
		10	FL 156 @ 3'														

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Relinquished By:	Date: 8-27-21	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 1640	Received By:	All Results are emailed. Please provide Email address: PM@etecheny.com
Relinquished By:	Date:	Received By:	REMARKS:
Relinquished By:	Time:	Received By:	
Delivered By: (Circle One) UPS	Observed Temp. °C 25.4	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Checked By: (Initials) TO	Bacteria (only) Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
			Sample Condition Observed Temp. °C
			Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental		BILL TO				ANALYSIS REQUEST																					
Project Manager: Joel Lowry		P.O. #:																									
Address: 2617 Marland		Company: Goodnight																									
City: Hobbs State: NM Zip: 88240		Attn:																									
Phone #: 575-964-2881 Fax #: -		Address:																									
Project #: 1433 Project Owner: Goodnight		City:																									
Project Name: Blueberry SWD 7/3/21		State: Zip:																									
Project Location: Rural Lea Co, NM		Phone #:																									
Sampler Name: Miguel Ramirez		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													
H212335				↓	↓	X				X			2/12/21		Chlorides	BTEX	TPH										
11		FL 157 @3'		↓	↓	↓				↓			↓		↓	↓	↓										
12		FL 158 @3'																									
13		FL 159 @3'																									
14		FL 160 @3'																									

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Relinquished By:		Date: 8-27-21		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: 11:40		Received By:		All Results are emailed. Please provide Email address: PM@etechnv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
Relinquished By:		Time:		Received By:		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C 25.4		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) JO	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
FORM-006 R 3.1 06/04/20						Thermometer ID #113 Correction Factor None	
						Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

September 03, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 09/02/21 13:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/02/2021	Sampling Date:	08/31/2021
Reported:	09/03/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Jodi Henson
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: SW 10 (H212394-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2021	ND	1.93	96.6	2.00	3.07		
Toluene*	<0.050	0.050	09/02/2021	ND	1.94	96.9	2.00	2.23		
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	1.93	96.5	2.00	0.286		
Total Xylenes*	<0.150	0.150	09/02/2021	ND	5.94	99.0	6.00	0.751		
Total BTEX	<0.300	0.300	09/02/2021	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	<16.0	16.0	09/03/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/03/2021	ND	195	97.6	200	0.531		
DRO >C10-C28*	<10.0	10.0	09/03/2021	ND	205	103	200	3.27		
EXT DRO >C28-C36	<10.0	10.0	09/03/2021	ND						

Surrogate: 1-Chlorooctane 93.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.3 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/02/2021	Sampling Date:	08/31/2021
Reported:	09/03/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Jodi Henson
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 145 @ 6' (H212394-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.93	96.6	2.00	3.07	
Toluene*	<0.050	0.050	09/02/2021	ND	1.94	96.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	1.93	96.5	2.00	0.286	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	5.94	99.0	6.00	0.751	
Total BTEX	<0.300	0.300	09/02/2021	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	<16.0	16.0	09/03/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2021	ND	195	97.6	200	0.531	
DRO >C10-C28*	<10.0	10.0	09/03/2021	ND	205	103	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	09/03/2021	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.4 % 38.9-142

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/02/2021	Sampling Date:	09/01/2021
Reported:	09/03/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Jodi Henson
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 123 @ 4' (H212394-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.93	96.6	2.00	3.07	
Toluene*	<0.050	0.050	09/02/2021	ND	1.94	96.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	1.93	96.5	2.00	0.286	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	5.94	99.0	6.00	0.751	
Total BTEX	<0.300	0.300	09/02/2021	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	16.0	16.0	09/03/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2021	ND	195	97.6	200	0.531	
DRO >C10-C28*	<10.0	10.0	09/03/2021	ND	205	103	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	09/03/2021	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.2 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/02/2021	Sampling Date:	09/01/2021
Reported:	09/03/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Jodi Henson
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: FL 161 @ 4' (H212394-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.93	96.6	2.00	3.07	
Toluene*	<0.050	0.050	09/02/2021	ND	1.94	96.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	1.93	96.5	2.00	0.286	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	5.94	99.0	6.00	0.751	
Total BTEX	<0.300	0.300	09/02/2021	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	240	16.0	09/03/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2021	ND	195	97.6	200	0.531	
DRO >C10-C28*	<10.0	10.0	09/03/2021	ND	205	103	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	09/03/2021	ND					

Surrogate: 1-Chlorooctane 92.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.4 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/02/2021	Sampling Date:	09/01/2021
Reported:	09/03/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Jodi Henson
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: NW 9 (H212394-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2021	ND	1.93	96.6	2.00	3.07		
Toluene*	<0.050	0.050	09/02/2021	ND	1.94	96.9	2.00	2.23		
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	1.93	96.5	2.00	0.286		
Total Xylenes*	<0.150	0.150	09/02/2021	ND	5.94	99.0	6.00	0.751		
Total BTEX	<0.300	0.300	09/02/2021	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	32.0	16.0	09/03/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/03/2021	ND	195	97.6	200	0.531		
DRO >C10-C28*	<10.0	10.0	09/03/2021	ND	205	103	200	3.27		
EXT DRO >C28-C36	<10.0	10.0	09/03/2021	ND						

Surrogate: 1-Chlorooctane 93.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.3 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/02/2021	Sampling Date:	09/02/2021
Reported:	09/03/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	Cool & Intact
Project Number:	14433	Sample Received By:	Jodi Henson
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: NW 6H (H212394-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.93	96.6	2.00	3.07	
Toluene*	<0.050	0.050	09/02/2021	ND	1.94	96.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	1.93	96.5	2.00	0.286	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	5.94	99.0	6.00	0.751	
Total BTEX	<0.300	0.300	09/02/2021	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	624	16.0	09/03/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2021	ND	195	97.6	200	0.531	
DRO >C10-C28*	340	10.0	09/03/2021	ND	205	103	200	3.27	
EXT DRO >C28-C36	189	10.0	09/03/2021	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: E-Tech Environmental				BILL TO				ANALYSIS REQUEST					
Project Manager: Joel Lowry				P.O. #:									
Address: 2617 Marland				Company: Goodnight									
City: Hobbs		State: NM		Zip: 88240		Attn:							
Phone #: 575-964-2881		Fax #:		Address:									
Project #: 14433		Project Owner: Goodnight		City:									
Project Name: Blueberry SW 7/3/21				State: Zip:									
Project Location: Rural Lea Co, NM				Phone #:									
Sampler Name: Miguel Ramirez				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 / COOL	OTHER:	
H212394													
1 SW10				C	1	X				X	X	X	
2 FL 145 @ 6'				C	1	X				X	X	X	
3 FL 123 @ 4'				C	1	X				X	X	X	
4 FL 161 @ 4'				C	1	X				X	X	X	
5 NW9				C	1	X				X	X	X	
6 NW6H				G	1	X				X	X	X	

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Relinquished By:		Date: 9/2/21		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Time: 13:15		Received By:		All Results are emailed. Please provide Email address:			
Delivered By: (Circle One)		Observed Temp. °C 1.4		Sample Condition		CHECKED BY:		Turnaround Time: Standard	
Sampler - UPS - Bus - Other:		Corrected Temp. °C C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Initials:		Bacteria (only) Sample Condition	
				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Cool Intact Observed Temp. °C	
				No <input type="checkbox"/> Yes <input type="checkbox"/> No				No <input type="checkbox"/> Yes <input type="checkbox"/> No	
								Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

September 07, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY SWD 7/3/21

Enclosed are the results of analyses for samples received by the laboratory on 09/03/21 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/03/2021	Sampling Date:	09/03/2021
Reported:	09/07/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Jodi Henson
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: WW 6 (H212422-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2021	ND	1.91	95.5	2.00	0.248	
Toluene*	<0.050	0.050	09/07/2021	ND	2.11	106	2.00	0.114	
Ethylbenzene*	<0.050	0.050	09/07/2021	ND	2.05	102	2.00	0.0178	
Total Xylenes*	<0.150	0.150	09/07/2021	ND	6.20	103	6.00	0.353	
Total BTEX	<0.300	0.300	09/07/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/07/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2021	ND	228	114	200	3.14	
DRO >C10-C28*	<10.0	10.0	09/07/2021	ND	226	113	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	09/07/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.0 % 38.9-142

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/03/2021	Sampling Date:	09/03/2021
Reported:	09/07/2021	Sampling Type:	Soil
Project Name:	BLUEBERRY SWD 7/3/21	Sampling Condition:	** (See Notes)
Project Number:	14433	Sample Received By:	Jodi Henson
Project Location:	GOODNIGHT - LEA CO NM		

Sample ID: NW 6 HB (H212422-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2021	ND	1.91	95.5	2.00	0.248	
Toluene*	<0.050	0.050	09/07/2021	ND	2.11	106	2.00	0.114	
Ethylbenzene*	<0.050	0.050	09/07/2021	ND	2.05	102	2.00	0.0178	
Total Xylenes*	<0.150	0.150	09/07/2021	ND	6.20	103	6.00	0.353	
Total BTEX	<0.300	0.300	09/07/2021	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	16.0	16.0	09/07/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2021	ND	228	114	200	3.14	
DRO >C10-C28*	<10.0	10.0	09/07/2021	ND	226	113	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	09/07/2021	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Etech Environmental</i>		BILL TO				ANALYSIS REQUEST																						
Project Manager: <i>Jail Lowry</i>		P.O. #:																										
Address: <i>2617 Marland</i>		Company: <i>Goodnight</i>																										
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn:																										
Phone #: <i>575-964-2981</i> Fax #: <i>-</i>		Address:																										
Project #: <i>14433</i> Project Owner: <i>Goodnight</i>		City:																										
Project Name: <i>Blueberry SWD 7/3/21</i>		State: Zip:																										
Project Location: <i>Peral Lee Co, NM</i>		Phone #:																										
Sampler Name: <i>Miguel Ramirez</i>		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												
<i>H212422</i>																												
<i>1 WW6</i>				<i>C</i>	<i>1</i>			<i>X</i>					<i>X</i>		<i>9-3-21</i>		<i>Chlorides</i>											
<i>2 NW6HB</i>				<i>C</i>	<i>1</i>			<i>X</i>					<i>X</i>		<i>9-3-21</i>		<i>BTEX</i>											
																	<i>TPH</i>											

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Relinquished By: <i>[Signature]</i>	Date: <i>9/3/21</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>16:35</i>		All Results are emailed. Please provide Email address:	
Relinquished By:	Date:	Received By:	REMARKS: <i>Pm@etechenv.com (Rush)</i>	
Delivered By: (Circle One)	Observed Temp. °C <i>25.9</i>	Sample Condition	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID #13	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
		Checked BY: <i>[Signature]</i>	Correction Factor None	Observed Temp. °C
				Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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

CONDITIONS
 Action 61714

CONDITIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 61714
	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 #NAPP2118435612 BLUEBERRY SWD, thank you. This closure is approved. For future reference, many of the Chain of Custody and Analysis Request forms showed samples not received at proper temperature of 6 deg. Celsius or below. If samples are improperly cared for again on future remediation projects, the report will be immediately denied. Please, make sure your environmental consultant is aware of this.	4/22/2022